

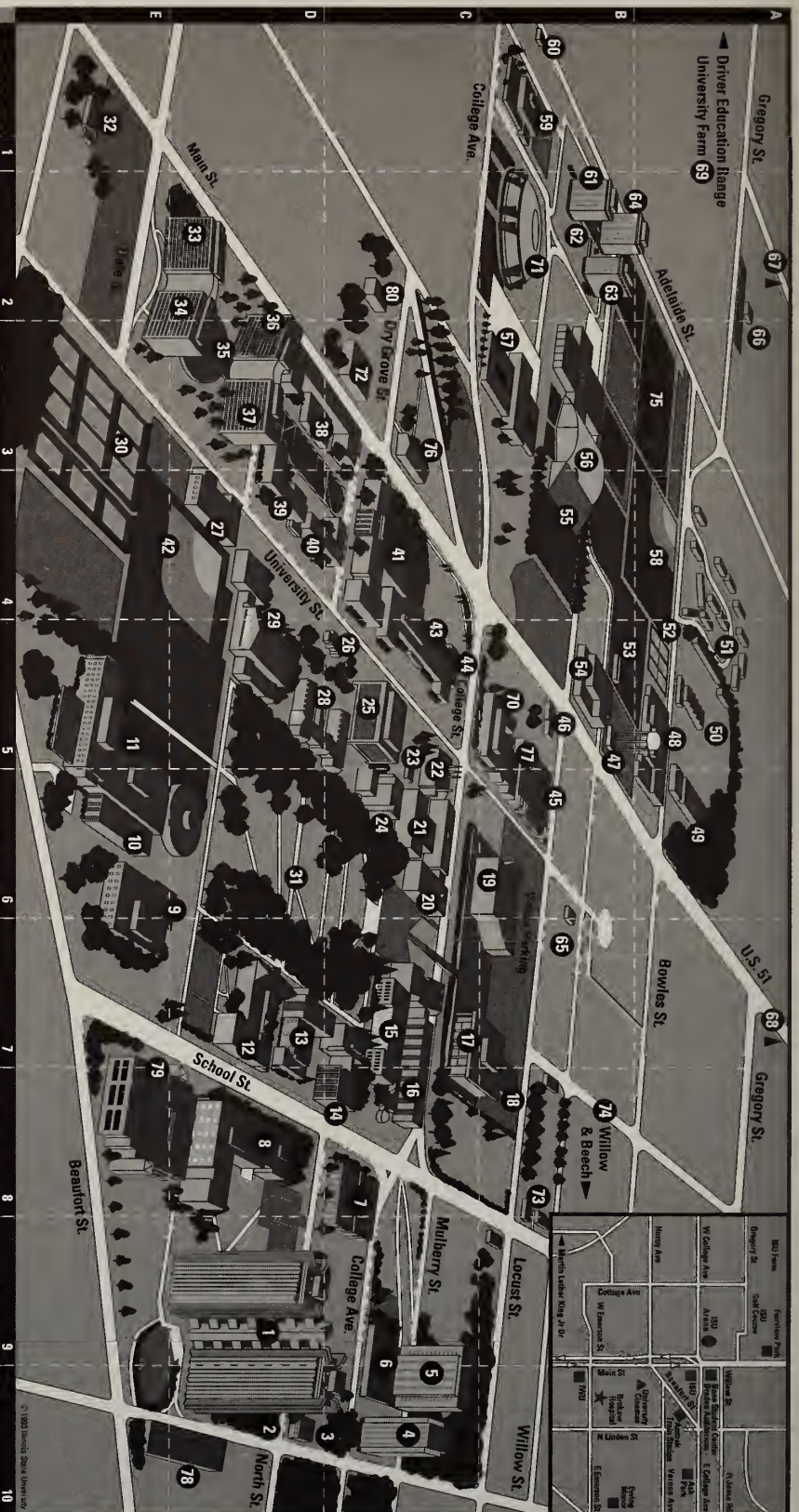
ILLINOIS STATE UNIVERSITY

1994-1995

*Undergraduate
Catalog*

ILLINOIS STATE
UNIVERSITY





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Illinois State University Undergraduate Catalog

1994-1995

Effective May 23, 1994

University Offices
University Operator: (309) 438-2111
Admissions: 438-2181
Financial Aid: 438-2231
Records: 438-3408
Registration: 438-2188
Residential Life: 438-8611
Student Recruitment: 438-2181
Undergraduate Evaluations: 438-2282
Veterans Affairs: 438-2207

Using the Catalog

This publication contains information about admission, costs, financial aid, housing, academic programs and requirements, and student services and activities of Illinois State University. The importance of some of this information will vary from student to student; **however, the sections on admissions, costs, and academic policies apply to all students and should be read carefully.**

All students are urged to review the entire *Undergraduate Catalog* carefully to gain an overview of the opportunities offered by the University, as well as the University's expectations of students. For specific information about particular concerns, students should consult either the Table of Contents or the Index.

A wide variety of undergraduate programs (majors and minors) in more than 70 separate fields of study are described. Students should consult the appropriate departmental section of the *Undergraduate Catalog* for a description of the requirements for each of these programs and the academic policies section for the general requirements for graduation. **Students in Teacher Education programs should pay particular attention to the section devoted to University-wide Teacher Education Program Requirements.**

Undergraduate courses offered by the 36 academic departments of the University are also described in this Catalog. Students should consult the *Class Registration Directory*, published each semester, for specific information about courses to be offered that semester.

Illinois State University is an Equal Opportunity/Affirmative Action institution in accordance with Civil Rights legislation and does not discriminate on the basis of race, religion, national origin, sex, age, disability, or other factors prohibited by law in any of its educational programs, activities, admissions or employment policies, except where age, sex, or lack of a physical or mental restriction are bona fide occupational requirements. University policy prohibits discrimination based on sexual orientation. Problems of this nature are to be resolved within existing University procedures.

Concerns regarding this policy should be referred to the Affirmative Action Office, Illinois State University, Campus Box 1280, Normal, IL 61790-1280, phone (309) 438-3383. The Title IX Coordinator may be reached at the same address. The 504 and ADA Coordinator may be reached at 1290 Disabilities Concerns, Fell Hall Room 350, phone (309) 438-5853 or TDD/TT (309) 438-8620.

Confidentiality of Student Records

In accordance with the Family Educational Rights and Privacy Act of 1974, Illinois State University students have the right to review, inspect, and challenge the accuracy of information kept in a cumulative file by the institution unless the student waives this right in writing. It also insures that records cannot be released in other than emergency situations without the written consent of the student except in the following situations:

- A. to other school officials, including faculty within the educational institution or local educational agency who have legitimate educational interests;
- B. to officials of other schools or school systems in which the student intends to

enroll, upon condition that the student be notified of the transfer, receives a copy of the record if desired, and has an opportunity for a hearing to challenge the content of the record;

- C. to authorized representatives of 1) the Comptroller General of the United States, 2) the Secretary, 3) an administrative head of any educational agency, or 4) State educational authorities;
- D. in connection with the student's application for, and receipt of, financial aid;
- E. where the information is classified as directory information. The following categories of information have been designated by the University as directory information: name, address, telephone number, date and place of birth, major,

class, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance and course load status, candidacy for degree, degrees (including date awarded) and awards received, and the most recent previous educational agency or institution attended by the student. If you do not wish such information released without your consent, you should notify the Registration Office prior to the tenth day of classes.

Questions concerning this law and the University's policy concerning release of student information and the procedures for contesting the content of cumulative files may be directed to the Records Office, 210 Julian Hall, Campus Box 2207, (309) 438-3408.

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University Calendar, 1994-95

1994 Summer Session

| | |
|-----------|---|
| May 23 | Opening of Summer Session. |
| May 30 | Memorial Day holiday. |
| June 10 | Last day for undergraduate students to apply for graduation at end of Summer Session. |
| July 4 | Independence Day holiday. |
| August 12 | Summer Session ends. |

1994 First Semester

| | |
|----------------|--|
| August 15-21 | Registration and Program change. Please see <i>Class Registration Directory</i> for specific registration schedule. |
| August 21 | Last day to withdraw from classes with a full refund of tuition and fees. |
| August 22 | Classes begin. |
| August 24 | Last day for late registration. |
| August 24 | Last day for Program Change. |
| September 5 | Labor Day holiday. |
| September 16 | Last day for undergraduate students to apply and pay fee for graduation in December. |
| September 23 | Last day to withdraw or to remove credit/no-credit option from a full semester class. |
| October 15 | First half of semester ends. |
| October 17 | Second half of semester begins. |
| November 22 | Thanksgiving vacation begins at 10:00 p.m. |
| November 28 | Classes resume, 8 a.m. |
| December 10 | Last day of classes. |
| December 12-17 | Evaluation and review period. |
| December 17 | Semester ends. |
| December 17 | Commencement. |
| December 20 | Grades due by 12:00 noon. |

1995 Second Semester

| | |
|--------------|--|
| January 4-16 | Registration and Program change. Please see <i>Class Registration Directory</i> for specific registration schedule. |
| January 16 | Martin Luther King, Jr. holiday. |
| January 16 | Last day to withdraw from classes with a full refund of tuition and fees. |
| January 17 | Classes begin. |
| January 19 | Last day for late registration and course changes. |
| January 19 | Last day for Program Change. |
| February 10 | Last day for undergraduate students to apply and pay fee for graduation in May. |
| February 17 | Last day to withdraw or drop the credit/no-credit option from a full semester class. |
| March 11 | First half semester ends. Spring vacation begins at noon. |
| March 20 | Classes resume, 8 a.m. |
| May 6 | Last day of classes. |
| May 8-12 | Evaluation and review period. |
| May 12 | Semester ends. |
| May 13 | One hundred thirty-sixth Annual Commencement. |
| May 16 | Grades due by 9:00 a.m. |



INTRODUCTION

Board of Regents

The Board of Regents is the governing board for Illinois State University, Northern Illinois University, and Sangamon State University. Members of the Board are:

D. Brewster Parker, Lincoln
 Carl E. Kasten, Carlinville
 Carol K. Burns, Peoria, *Vice Chair*
 Joe Ebbesen, DeKalb
 David T. Murphy, Itasca, *Chair*
 James W. Myles, Chicago
 Barbara Scheibling, Springfield
 Niranjana Shah, Chicago
 William D. Sulaski, Bloomington

One student, non-voting member from each University in the Regency System.

Chancellor: Roderick Groves, Springfield

University Administrative Officers

Thomas P. Wallace, *President*

Vice President and Provost

Gregory Aloia, *Associate Vice President, Research, and Dean of Graduate Studies*

Anita Webb-Lupo, *Acting Associate Vice President, Academic Planning and Program Development*

Alan Dillingham, *Acting Associate Vice President, Instruction, and Dean of Undergraduate Studies*

Sharon Stanford, *Acting Associate Vice President, Academic Personnel and Budgeting*

Elizabeth A. Chapman, *Dean, College of Applied Science and Technology*

Paul Schollaert, *Dean, College of Arts and Sciences*

Robert W. Jefferson, *Dean, College of Business*

Sally Pancrazio, *Dean, College of Education*

Alvin Goldfarb, *Dean, College of Fine Arts*

Fred Peterson, *University Librarian*

David Strand, *Vice President for Business and Finance*

William Gurowitz, *Vice President and Dean of Student Affairs*

Judy Riggs, *Vice President, Institutional Advancement and Executive Director, Illinois State University Foundation*

Illinois State University is a student-centered, multipurpose institution committed to providing undergraduate and graduate programs which are of the highest quality in the State of Illinois. The central mission of the University is to expand the horizons of knowledge and culture among students, colleagues, and the general citizenry through teaching and research.

Illinois State University recognizes that teaching and research are mutually supportive activities. Therefore, while developing student potential through superior teaching is the first priority of the University, the promotion of research which is recognized at national and international levels is also a high priority. Illinois State University is committed to public service activities which complement the teaching and research interests of the faculty. The University is committed

to expanding student involvement in learning through the provision of outstanding campus-life programs and activities. The goals of the University are to:

- provide the premier undergraduate education in Illinois;
- provide premier graduate education in selected areas;
- provide an academic atmosphere which nurtures intellectual activity within the University community;
- support research and creative activity which are recognized at national and international levels;
- engage in public service and economic development activities which complement the University's teaching and research functions;
- expand and strengthen graduate programs in areas which build on the strengths of undergraduate programs and/or which have a unique educational focus;
- provide opportunities for students to increase their capacity for inquiry, logical thinking, critical analysis, and synthesis and to apply these abilities in the pursuit of one's discipline;
- increase understanding of global and national interdependence and expand knowledge and understanding of other cultures in the context of a multicultural society;
- provide co-curricular activities, programs and services that augment the formal education of students and maximize their involvement in the educational process;
- provide access and services for students from underrepresented groups and students with special talents;
- encourage academic diversity by supporting the unique missions and strengths of each of the colleges.

Founded in 1857 as the first public institution of higher education in the state, Illinois State University has developed into a major multiple-purpose university. The University is one of three institutions in the Board of Regents system and one of twelve public universities in Illinois.

The University seeks to provide an atmosphere in which an excellent faculty interacts with capable students in and outside the classroom to produce educated citizens. In addition, the University recognizes that knowledge occurs not only in classrooms, laboratories, and libraries, but also in living units and in a rich profusion of social, recreational, and artistic activities that are provided for the students, faculty, staff, and community.

Campus: The tree-shaded campus of Illinois State University, covering 850 acres in Normal, is a study of varying architecture, ranging from the castle-like appearance of Cook Hall to the modernistic dominance of the 28-story twin Waterson Towers residence halls. Major classroom buildings are centrally located and are surrounded by the library and recreational, social, and residence structures. Most facilities are accessible to disabled individuals.

The library building, completed in 1976, provides study space for 2,700 students. Each of the six floors of the library provides a variety of study areas—individual carrels, small tables, faculty studies, and lounge chairs—all located adjacent to books, periodicals, and other library materials.

These are arranged according to subject areas—the humanities, the social sciences, the sciences, and education-psychology on separate floors, where subject reference service and on-line and CD-ROM data base searches are also provided.

A 90-unit personal computer study area is available for use on the main floor. A General Reference and Documents Area on the main floor provides an initial contact reference service for students. However, students should familiarize themselves with the specialized services which are offered in the divisional areas by subject librarians.

The collections of the University Library include 1,237,815 catalogued books and 373,317 U.S. Government publications, a total of 1,611,132 volumes. Many thousand additional publications are available in miniature in 1,802,640 pieces of microform. The Map Collection contains 459,591 maps and other cartographic items, and a collection of 24,716 recordings is available in the Media Resource Center on the sixth floor.

The media collections of the University are also located in the Media Resource Center on the sixth floor of Milner Library. These materials can be used at the Center's listening and viewing stations or faculty may reserve them for classroom use. Materials include video and audio tapes, slide tape programs, laser video discs, CD audio discs, and other media formats. The Media Resource Center also offers reference assistance and a videotape film scheduling service which assists in locating programs not in the University's collections.

The library provides access to other libraries throughout the country as a participant in OCLC and in Illinois through the Illinois Library Network and the Illinois Library Computer System. An Interlibrary Delivery System brings books from other libraries to the campus daily.

Other University facilities include an 18-hole University golf course, a 350-acre University farm, recreational fields, and other open areas for student and public use. Illinois State also offers the community a 3,500-seat auditorium, a student center, and a recreation facility for bowling and other activities. Intercollegiate and intramural sports are frequently scheduled in Horton Field House and in Hancock Stadium, (seating capacity 15,000) with a new all-weather playing surface. The 10,500-seat Redbird Arena, completed in 1988, is used for many activities including concerts and athletic events. Adelaide Street Soccer Field, Redbird Baseball Field, and McCormick Softball Diamond are home for many outdoor athletic events.

Residence structures include high-rise buildings of 28-, 18-, 12- and 10-story heights, as well as more traditional halls of only a few stories. Student apartments are located at Cardinal Court and at 300 Shelbourne Drive.

Collegiate Organization: Academic programs and courses are offered in 36 academic departments which are organized into the Colleges of Applied Science and Technology, Arts and Sciences, Business, Education, and Fine Arts. Undergraduate academic program and course offerings are listed in the Catalog according to the collegiate and departmental organization. University-wide program and course offerings are described separately.

The Graduate School offers master's degree programs in most fields in which undergraduate programs are available and doctoral degree programs in Art Education, Biological Sciences, Curriculum and Instruction, Educational Administration, English, History, Mathematics Education, School Psychology, and Special Education. Further information concerning graduate study at Illinois State University is available in the *Graduate Catalog* and in the Graduate School Office in Hovey Hall.

Academic Senate and Committees: The Academic Senate is the major governance body of the University. The Senate acts in legislative and advisory roles with regard to University policies concerning faculty and students, academic programs

and planning, and University concerns. Based upon the concept of shared governance, the 50-member Senate's elected representatives consist of 27 faculty members and 19 students, 3 Vice Presidents, and the President of the University.

Through the Academic Senate and its external committee system, students, faculty, and administrators share in the study and development of policy. Students are encouraged to participate in the following Senate-appointed committees and councils: Academic Planning, Academic Standards, Elections, Entertainment, Library, Reinstatement, University Curriculum, University Forum, Council for Teacher Education, Honors Council, Council on University Studies, University Union/Auditorium Board, Student Code Enforcement and Review Board, Athletic Council. Students also participate as members of college and departmental councils and serve on search and ad hoc committees. The Academic Senate Office is located in 208 Hovey Hall.

Accreditation: Illinois State University is accredited through the doctoral level by the Commission on Institutions of the North Central Association of Colleges and Schools and by the National Council for Accreditation of Teacher Education. In addition, 18 programs hold discipline-based accreditation.

Semester Plan and Summer Session: The University is operated on the semester plan and provides, in addition to its Fall and Spring semesters, a Summer session with courses of varying lengths, and a variety of short-term offerings. During the Summer Session, a student may register for one, two, three, or four credit-hour courses at the rate of one hour of credit per week. The summer *Class Registration Directory* is issued annually in December and may be obtained by writing to the Office of Admissions, Illinois State University, Campus Box 2200, Normal, IL 61790-2200. The schedule contains information on the cost, schedule of classes, and special features of the Summer session, such as short courses and workshops.

Evening and Off-Campus Classes: In addition to courses offered during the regular school day, evening and weekend classes are scheduled both on campus and off campus during the school year. For courses offered by Illinois State University, no differentiation is made between credits earned on campus and off campus. Inquiries concerning off-campus classes should be directed to Credit Continuing Education (309) 438-8693. Information about some of these extension credit course offerings is available in the *Class Registration Directory* published each semester. Non-credit workshops, seminars, and conferences are scheduled by the Illinois State Conferencing Unit (309) 438-2160.

Summer Session: The University provides credit coursework during the summer. Courses are also offered off campus through Credit Continuing Education, (309) 438-8693. Regular courses, taught by the regular instructors, are offered during the summer so that students may take the same type of work as that offered during the first and second semesters. Limited student teaching and internship positions are available during the Summer session for those who are qualified. Prospective students may obtain the annual *Class Registration Directory* by writing to the Registration Office, Campus Box 2204, Normal, IL 61790-2204. This schedule lists courses, costs, and other information for the session. Summer session students should refer to the *Undergraduate Catalog* and *Graduate Catalog* for academic policies.

ADMISSION

Admission Applications

Prospective students may obtain applications for admission from a high school or community college counselor or by writing, calling or visiting the Office of Admissions, 201 Hovey Hall, Illinois State University, Campus Box 2200, Normal, Illinois 61790-2200. Prospective students may call (309) 438-2181, or toll free (800) 366-2478, or TDD/TT (309) 438-2006 to request an application. Admission to the University does not guarantee housing in on-campus residence halls. The Office of Residential Life will mail housing applications to students who have been admitted to the University.

Applicants who are not United States citizens should request an **international student application**. Prospective graduate students should request a **graduate application**. Applicants 25 years of age or older who are interested in the Adult Learner Program should request an **adult learner application**.

Applicants may request admission for the Fall semester, which begins in mid-August; for the Spring semester, which begins in early January; or for the Summer session, which begins in May. Prospective students are encouraged to file during the Priority Filing Period as shown on the table below. The University reserves the right to curtail admission, adjust requirements, and limit enrollment in a program because of space or budget restrictions. The Admissions Office will process applications until enrollment capacities are met, so early application is advantageous. Note that if you apply by mail, the postmark will be used to determine if you filed during the Priority Filing Period.

APPLICATION FILING PERIODS

| Term | Application First Accepted | Priority Filing Period |
|--------|----------------------------|--------------------------|
| Fall | September 1 | September 1 - October 31 |
| Spring | June 1 | June 1 - July 31 |
| Summer | April 1 | April 1 - May 31 |

Applications are processed on a continuing basis, but the University may, in some cases, defer a final decision pending receipt of a final transcript. The University has established June 30 as the deadline for completed applications and all supporting documents to be on file in the Admissions Office for Fall semester applicants. Applications with supporting documents submitted after June 30 will not be guaranteed Fall semester admission.

Oversubscribed Majors: Illinois State University designates areas of study as oversubscribed when more applications are received than can be accommodated. The University may limit admission to programs and/or majors to students who have successfully completed prerequisite coursework or satisfied mandated requirements. Applicants filing during the Priority Filing Period will receive highest priority for admission but may be subject to supplementary

selection criteria (see below). If you are required to submit admissions test scores (ACT or SAT), you should take the test during your high school junior year or no later than October of your high school senior year when applying for Fall semester admission.

Supplementary Selection Criteria: Criteria based upon scholastic achievement including prerequisite coursework, standardized admissions test scores and, in some cases, extra-curricular activities.

The University announces each fall the majors that are oversubscribed and restricted and the supplementary criteria required for admission. Announcements are published in appropriate newsletters and distributed to high school and community college counselors. Information about supplementary criteria is provided to applicants at time of application for admission or applicants can call the Admissions Office for information.

Student Classifications

The University has three classifications for new undergraduate students:

1. **Beginning Freshman:** a person who has never registered at any college or university.
2. **Transfer:** a person who has enrolled at another college, whether or not any work was completed.
3. **Unclassified Undergraduate:** a person who desires to take classes at the University but does not have immediate plans to become a candidate for a degree.

Admission Requirements

Admission requirements are normally the same for all semesters or sessions. The specific requirements for the three undergraduate classifications noted above are explained below. Exceptions to these requirements may be made for special admissions categories (see Special Admissions). The admission decision is based on high school class rank, course patterns, standardized test scores, availability of space, and any previous college work.

Prospective Illinois State University students are expected to have a strong academic background. Reading, writing, and mathematics are central to that background. Illinois State University, along with the Illinois Board of Higher Education, recommends that prospective students prepare for college by including four years of English, science, mathematics, and social studies, along with two years of foreign language, in their high school program. The University urges prospective students planning to complete their first two years of study at a community college to earn the baccalaureate-oriented associates degree before enrolling at Illinois State.

While the University offers a wide range of support services to improve students' chances for academic success, it does not offer remedial assistance in mathematics, reading, or composition. Students who believe that they have deficiencies in these basic skills are advised to enroll in appropriate preparatory courses elsewhere before enrolling at Illinois State University.

Academic departments at Illinois State are willing and available to supply prospective students with additional information about particular majors. Students or counselors with specific questions are encouraged to write to the appropriate department chairperson.

Standardized Tests: Prospective beginning freshmen and transfer students with fewer than 30 hours must have ACT or SAT scores sent *directly* to the Office of Admissions. If the scores were not sent to Illinois State University at the time the test was taken, write the American College Testing Program (ACT, Box 168, Iowa City, IA 52243) or the Educational Testing Service (SAT, Educational Testing Service, Princeton, NJ 08541-0001) and request to have them sent to Illinois State University. Upon request, special testing arrangements will be made for prospective students with disabilities.

BEGINNING FRESHMEN: You will qualify for regular admission when the Admissions Office verifies that you meet the high school rank and admissions test score requirement indicated in the Admissions Eligibility Table (below), have completed the comprehensive pattern of college preparatory subjects, and if applying to an oversubscribed area of study, meet supplementary selection criteria. Regular admission requires:

- graduation from an accredited high school, a school recognized by the Illinois State Superintendent of Education, or a General Equivalency Degree (GED) certificate,
- successful completion of the courses in the comprehensive pattern of college preparatory subject requirements (following), and
- a qualifying high school percentile rank and admissions test score.

ADMISSIONS ELIGIBILITY TABLE

| High School Percentile Rank | ACT Composite Score | SAT Total Score |
|--------------------------------|----------------------------------|--------------------|
| 75-99 | Eligible with any test score | |
| 50-74 | 17 or above | 620 or above |
| 25-49 | 23 or above | 910 or above |
| 1-24 | Not eligible with any test score | |

Course Specific Admission Requirements: Based on minimum standards established by the Illinois Board of Higher Education and modified by Public Act 86-0954, the Academic Senate of Illinois State University has approved the following course-specific requirements:

- four years of English, emphasizing written and oral communication and literature; **and**
- three years of college preparatory mathematics, composed of Algebra I, geometry, and Algebra II - trigonometry; **and**
- two years of social studies, emphasizing history and government; **and**
- two years of laboratory science, selected primarily from biology, chemistry and physics; **and**
- two years of one foreign language or fine arts selected primarily from art, music, theatre or dance; **and**
- two years of electives, including course work in any two of the four categories above (excluding English) and/or courses in vocational education and fundamentals of computing.

These are **minimum** requirements for admission to the University. Specific programs and majors may require additional coursework in one or more of these areas as selection

criteria for admission to the program. Prospective applicants to Illinois State or the other public universities in Illinois are advised to pursue a rigorous college preparatory program while in high school, including coursework beyond the minimum in fields that they may be considering for advanced study in a university. For example, students who think they may want to study science, industrial technology, or mathematics, among other fields, should take additional courses in mathematics and laboratory science in high school.

In the event that an applicant has a deficiency in the course-specific requirements, the University will consider alternate evidence for the mastery of the knowledge and skills in the area of the deficiency. Students may, therefore, present appropriate ACT subscores; SAT scores, Advanced Placement scores, and scores on College Level Examination Program tests. Please note that no deficiencies are allowed in the areas of English and mathematics, and only one deficiency in total in the other subject areas.

TRANSFER STUDENTS: You will qualify for regular admission as a transfer student if you meet any of the following conditions:

- Graduation from an Illinois Community College with a baccalaureate-oriented associates degree (A.A. or A.S.) provided Illinois State is the first school of attendance after graduation. The University, in agreement with these colleges, allows a student to be admitted to Illinois State with junior standing and with all University Studies (General Education) requirements completed.
- Completion of 30 or more semester hours of transfer credit with an overall "C" average (2.0 on a 4.0 scale or the equivalent) for all grades in all college courses at all schools attended; verification of good academic standing at the last school attended; and evidence of competence in English language and computation skills. These skills may be demonstrated by standardized test scores, by high school courses (successful completion of three years of English and one year of standard algebra), by appropriate college courses in composition and mathematics, or by completion of the baccalaureate-oriented A.A. or A.S. degree.
- Completion of fewer than 30 semester hours of transfer credit with an overall "C" average (2.0/4.0) computed as above; verification of good academic standing as above; and evidence that all requirements for "Beginning Freshmen" are met.

NOTE: As a transfer student, you must submit official transcripts sent directly from **all** colleges and universities attended. If you have fewer than 30 semester hours of credit, you must also submit high school transcripts and ACT or SAT scores. Completed applications and all supporting documents must be on file in the Admissions Office by June 30 for Fall semester applicants. Withholding information or giving false information to the University may make you ineligible for admission to the University or subject to dismissal.

Once admitted to the University, admission criteria for a major must be met and space must be available before you will be admitted to that major. The University Registrar will provide admitted transfer students with a statement specifying how the transferred credit may be used to meet curricular requirements at Illinois State. Transfer credit from two-year colleges is limited to 66 semester hours plus a maximum of four semester hours of physical education. Additional credit for military service is also possible.

Registered Nurses: RNs will be admitted to the University and granted 60 semester hours of transfer work if they have graduated from a diploma nursing program with a 2.5 grade point average on a 4.0 point scale or from an accredited associate degree program with a 2.0. To earn a baccalaureate degree, students must complete University Studies and the major requirements for any program they choose and for which they qualify.

Information about the Pre-Nursing Program is addressed in the section on "Preparation for Graduate and Professional Study."

Summer Visitors: Students currently enrolled at another college or university, who plan to continue there, may attend a Summer session at Illinois State University by submitting an application and an official statement of good standing in lieu of transcripts and test scores. A statement of good standing must be issued by the registrar or academic dean in charge of records. Students entering Illinois State in this manner are admitted as Unclassified Students (see below). Please note that submission of official transcripts may be necessary for placement into some courses.

Unclassified Students: Individuals desiring to take a class or classes in the University without working toward any degree may be admitted as Unclassified Students if they have been out of high school for at least two years and provided they submit the necessary transcripts and test scores, summer visitors excepted. Applicants will also be required to provide evidence showing prerequisite background for the course(s) desired. Unclassified Students must maintain the same standard of performance as degree-seeking students. Unclassified Students who wish to become candidates for a degree at some later time must meet published requirements for admission into the desired program. Students who hold a baccalaureate degree from a regionally-accredited college or university are not eligible for the unclassified undergraduate status. They must apply as a graduate Student-at-Large.

Readmission: Students wishing to return to Illinois State after being away for one or more semesters must apply for readmission through the Office of Admissions (201 Hovey Hall). Readmission for a particular term cannot be guaranteed if the application is received less than two weeks prior to the beginning of classes.

Students who have been academically dismissed from Illinois State for poor scholarship must be reinstated by the University Reinstatement Committee before applying for readmission. Students should complete an application for reinstatement at least two months prior to the term in which they desire to reenroll. Reinstatement forms may be obtained from the Office of Undergraduate Instruction, 308 Hovey Hall, Campus Box 4000.

Students who have been absent from the University for one or more semesters and who have, in the meantime, attended any other higher educational institution must indicate such attendance on the readmission application and supply an official transcript from the other school(s). Students must have earned a "C" average or higher for all coursework taken since last attending Illinois State and have been in good standing at the last institution attended as a full or part-time student. Readmitted students should consult the section on Catalog Requirements to determine which Catalog should be used to determine graduation requirements.

SPECIAL ADMISSION: The University may admit a limited number of applicants with special characteristics and abilities who show the potential for success in collegiate work but who do not meet all the regular admission requirements. The special admissions programs are as follows:

1. *Talent Program:* Applicants who demonstrate an outstanding talent in art, music, theatre, or athletics.
2. *Early Admit Program:* Applicants who can benefit from college-level work prior to graduation from high school on a full-time or part-time (concurrent with high school attendance) basis.
3. *Collegiate Opportunities Admission Program:* Applicants must be new beginning freshmen, have a minimum composite score on the ACT, as specified by the Admissions Office, and exhibit proficiency on diagnostic entrance exams. COAP is offered only in the Fall semester. Students who are economically and/or educationally disadvantaged and can benefit from college-level work if intensive support services are provided are encouraged to apply.
4. *Veterans' Program:* Applicants who were Illinois residents at the time of entrance into the Armed Forces, who present a discharge for other than dishonorable reasons showing completion of at least a one-year active tour of duty in the Armed Forces and whose first attendance at a college or university after discharge is at Illinois State.
5. *Adult Learner Program:* All persons 25 years of age or older prior to the first day of class for any given semester may apply as an Adult Learner. Freshmen may be admitted without presenting ACT or SAT scores and without proof of high school diploma and/or GED. Transfer students may be admitted without submitting transcripts from schools previously attended if they have not been in attendance at a college or university two years prior to the semester for which they have applied. If attendance has been within two years, a transcript showing "Good Standing" must be provided. Adult Learners who, at some later time, wish to become candidates for a degree must complete 12 semester hours with a 2.0/4.0 grade point average at Illinois State or must submit transcripts of all previous college work.
6. *Summer Opportunity For Freshmen:* Applicants who show academic promise, who can benefit from special assistance and counseling, and who are willing to begin their academic work during the Summer session.

Inquiries regarding these programs should be sent to the Office of Admissions, 201 Hovey Hall, Illinois State University, Campus Box 2200, Normal, IL 61790-2200, and should specify the particular program of interest.

INTERNATIONAL STUDENT ADMISSION

Application Deadlines: International students may apply for admission in general accordance with procedures for native applicants. Filing deadlines for international student applications are: May 15 for the Fall semester, October 15 for the Spring semester, and April 1 for the Summer session.

Materials and Procedures: In addition to the completed application, the following materials are required:

1. Official academic records verified with seals and signatures and sent directly from the school or examinations council.
2. Official Test of English as a Foreign Language (TOEFL) score report sent directly from Educational

Testing Service in Princeton, New Jersey. Conditional admission for future completion of the TOEFL requirement is not available. Applicants whose native language is English are exempted from the requirement.

3. Financial Statement showing sources and amounts of support for the first year and projected support for the length of the program.
4. Financial proof showing official documentation of the amounts entered on the Financial Statement.
5. Verification of a medical test with results indicating freedom from tuberculosis.
6. International Advisor's Report for transfer students who have attended a college or university in the United States.

Upon receipt of all necessary materials, the Office of Admissions will review the application file, reach an admission decision, and send a Certificate of Eligibility for Nonimmigrant (F-1) Student Status with the notification of acceptance.

During orientation week, new international students' written communication skills will be evaluated. The University will administer a test for placement in English 101, Language and Composition, a course required of all Illinois State students. Testing for other skills may be administered to determine placement in a sequence or course of the student's choice.

Eligibility: International students who meet all of the following criteria are eligible to apply for undergraduate admission:

1. Earned the equivalent of a U.S. high school diploma from an international institution of secondary or high school level, or will do so within one academic year of application.
2. Show academic achievement equal to a U.S. grade point average of "C" or better (2.0 on a 4.0 scale).
3. Earned a total score of at least 550 on the Test Of English as a Foreign Language (TOEFL). International students attending U.S. high schools may substitute ACT or SAT scores and class rank, as described for U.S. applicants.

International students who meet all of the following criteria are eligible to apply as undergraduate transfer students:

1. Earned credit at a recognized international or accredited U.S. institution of higher education or will do so within one year of application.
2. Show academic achievement equal to U.S. grade point average of "C" or better (2.0 on a 4.0 scale). **NOTE:** Some departments have higher than the minimum standard for transfer admission. Refer to Catalog descriptions of majors.
3. Earned a score of at least 550 on the Test Of English as a Foreign Language (TOEFL). This requirement is waived for students who acquire 60 hours at a U.S. college or university.

Orientation and Registration

The University is committed to assisting all new students as they enter Illinois State University. This transition is facilitated by a series of programs as new freshmen are involved in the summer program, "Preview"; all new students are involved in "Fall Orientation"; and new transfers participate in "Transfer Days."

Preview: Preview is designed to acquaint new freshmen and their parents and family members with the campus and its services and to provide the opportunity for students, parents and family members to discuss campus life with faculty, staff, and continuing students. During the two-day Preview program in the summer, new students will take placement examinations, meet with academic advisors, register for Fall semester classes and have the opportunity to meet other new freshmen as well as current students.

Admitted students receive registration materials for Preview in late spring. Further information is available from the Office of Admissions, 201 Hovey Hall, Campus Box 2200, (309) 438-2181. Arrangements will be made to assist students with disabilities during Preview. These students should notify the Office of Disability Concerns, 350 Fell Hall, regarding any special needs prior to arrival on campus, voice (309) 438-5853 or TDD (309) 438-8620.

A fall Preview program for a limited number of students who are unable to attend regular summer Preview is held during the week preceding the first day of the Fall semester.

New freshman students entering during the Spring semester should attend a similar program during the week preceding the first day of classes.

–**Placement Examinations:** Placement examinations are held to determine the level at which a student should enter particular sequences of University courses and may be required by departments. No credit is awarded. Placement examinations are given during Preview, prior to academic advising and registration. A student's desired major and standardized test scores will determine the placement examinations that may be required.

–**Academic Advisement:** Academic advisors work with each student during Preview to begin developing a long-range educational plan and to select appropriate first-semester courses. Representatives from the academic departments will also be available during the Preview sessions.

–**Registration:** New freshman students register for classes during the Preview sessions after placement testing and advising. Detailed information concerning registration procedures for a given term is outlined in the *Class Registration Directory* which students receive during Preview.

Fall Orientation: In an effort to help new students with their transition to Illinois State University, an orientation program is organized immediately prior to the start of Fall semester classes. The program assists students to learn about the services provided by the University for their academic and personal development. In addition, opportunities are made available to meet other new students and to establish contacts with faculty and staff. Small and large group sessions with an interactive format help to integrate new students into the campus community.

Fall Orientation promotes the concept of community by encouraging people to experience a sense of involvement and connection. All new students, whether freshmen or transfers, whether living on campus or not, are urged to participate. The program is coordinated through the Office of Student Life and Programs, (309) 438-2151, which is located in the Student Services Building, Room 370. Arrangements are made to accommodate students with disabilities during the Orientation sessions. Complete information is mailed to all new students in late July.

Transfer Days: Newly-admitted transfer students have the opportunity to receive academic advisement, register for

classes and learn more about the University by participating in a one-day "Transfer Day" program. A series of transfer days are held each term—generally two days are scheduled in the fall for those admitted for the Spring semester and three days are scheduled in the spring for those admitted for the Summer and/or Fall terms. Students are invited to choose among the scheduled days.

Participation in the Transfer Day program is by invitation only. Students receive information about participating after they have been admitted. Students admitted too late to participate in a Transfer Day program are sent information regarding additional advisement and registration opportunities.

As with Preview, arrangements will be made during Transfer Day to assist students with disabilities. These students should notify the Office of Disability Concerns, 350 Fell Hall, regarding any special needs prior to arrival on campus—voice (309) 438-5853 or TDD/IT (309) 438-8620.

A significant component of the Transfer Day program involves the opportunity for students and their family members to learn more about Illinois State by attending orientation sessions focused on various aspects of university life.

Medical Requirements for ALL students: All students admitted to Illinois State University are required to file with the Student Health Service a completed Illinois State University Health History form that includes complete immunization information. Illinois Law (Public Act 85-1315) requires that

all students admitted for the first time to Illinois State University after July 1, 1989, provide to the Student Health Service proof of immunity to tetanus, diphtheria, measles, mumps, and rubella. Students born after January 1, 1969, in order to document proof of immunity against measles, must have two immunizations at **least** one month apart after one (1) year of age. International students are required by University regulations to also show proof of immunity to polio as well as evidence of freedom from tubercular disease. It is strongly recommended that all U.S. students be tested for T.B. prior to attending the University. Information and instructions for complying with these requirements are included with the Illinois State University Health History form. Students who do not have the required immunization documentation on file will not be permitted to register for subsequent semesters at the University. Also, a \$25 administrative compliance fee will be assessed to any student who has an immunization delinquency as of the tenth day of class, i.e. a student who has not provided proof of immunity. Further information can be obtained by writing or calling (309) 438-8560, Student Health Services, Campus Box 2540.

Students who plan to participate in University-sponsored intercollegiate team sports will be required to have a physical examination and be cleared for participation. Interested students should call the Illinois State University training room at 438-7246 for further information.





COSTS AND PAYMENT POLICIES

UNDERGRADUATE TUITION AND FEES

Tuition and fees rates for 1994-95 were not established at the time this Catalog went to press and are subject to change by action of the Board of Regents. The following rates should only be used as a general guide to college expenses. Fees other than health insurance are assessed at a per semester hour rate through the first 12 hours. Health insurance is assessed to all students enrolled in nine or more semester hours. Tuition is assessed at per semester hour rates through the first 16 hours.

Rate Schedule 1993-94

| | Residents | Non-Residents |
|----------------------------------|-----------|---------------|
| Tuition: | 82.50 | 247.50 |
| Fees per semester hour: | | |
| General Activity | 3.33 | |
| Athletic and Service | 6.31 | |
| Bone Student Center | 4.64 | |
| Recreation/Athletic Facilities | 2.70 | |
| Redbird Arena | 4.12 | |
| Health Service | 4.58 | |
| Student-to-Student Grant | 0.37 | |
| Grant-in-Aid | 0.15 | |
| Health Insurance (9 or more hrs) | 74.60 | 74.60 |
| Examples: | | |
| 3 semester hours | 326.10 | 821.10 |
| 6 sem hrs | 652.20 | 1,642.20 |
| 9 sem hrs | 1,052.90 | 2,537.90 |
| 12 sem hrs | 1,379.00 | 3,359.00 |
| 16 or more sem hrs | 1,709.00 | 4,349.00 |

Audit Costs: Students taking only audit courses (courses without credit) are charged tuition at the rates shown above to a maximum of \$1,320.

Residents and Non-Residents: A student under 18 years of age is a non-resident if that student's parents are not legal residents of Illinois. A student over 18 years of age is a non-resident if the student is not a legal resident of Illinois at the time of registration. The Coordinator of Academic Services in the Registration Office is responsible for determining residency.

Special Fees:

| | |
|---------------------------------------|------|
| Registration Installment Fee..... | \$25 |
| Bachelor's Degree Graduation Fee..... | \$20 |
| Late Registration and/or Late Payment | |
| Fee (after scheduled dates) | \$25 |

Transcripts are issued only after all student obligations have been met. A student desiring a transcript should make a written request to the Records Office. A \$6.00 (fee subject to change) charge is made for each official transcript.

Materials Charges listed under course offerings in the University Catalogs are optional. A student may supply his or her own material and request the instructor in writing to waive the materials charge.

Compucard Charges listed under course offerings in the University Catalogs are optional. A student may supply his or her own computer and request the instructor in writing to waive the Compucard charge.

Payment of Tuition and Fees: The University offers an installment plan for the payment of tuition and fees for the Fall and Spring semesters. For those selecting that option, a \$25 installment fee will be assessed, with approximately one-third of the total charges due at the time of billing, one-third about 30 days into the semester, and the balance about 60 days into the semester. Students who advance register will be billed before the beginning of the semester. Students who register at the beginning of the semester will be billed at that time. If the bill is not paid by the date it is due, the student's classes will be cancelled and the student must re-register. The *Class Registration Directory* gives further information and lists specific dates.

Refund Policy: A registered student who officially withdraws from the University may receive a reduction of tuition and fees, including any advance deposit, according to the following schedule:

1. If withdrawal is prior to the first regularly scheduled class day, all tuition and fees are deleted.
2. If withdrawal is within the first 15 calendar days after the first regularly scheduled class day, all tuition and fees minus a service charge of \$30 are refunded.
3. If withdrawal is after the 15th calendar day but within the sixty percent point in time of the period of enrollment - a refund equal to the portion of the period of enrollment remaining, rounded downward to the nearest ten percent, less an administrative fee not to exceed the lesser of five percent of the initial tuition, fees, and other charges assessed the student or \$100.
4. If withdrawal is after the sixty percent point in time of the period of enrollment - no refund shall be made.

The University may designate shorter refund periods for Summer session, special courses, and short courses.

A student who changes from full-time to part-time status or a part-time student who reduces the number of credit hours carried may receive a reduction of tuition and fees according to the following schedule:

1. If the reduction is on or before the 15th calendar day after the first regularly scheduled class day, all tuition and fees not applicable to the new part-time status are reduced. A service charge is not applicable to a student who changes from full-time to part-time status.
2. If the reduction is after the 15th but no later than the 30th calendar day after the first regularly scheduled class day, 25 percent of the difference in tuition charge only is reduced.

The student may receive a refund of insurance fees if the student demonstrates equal or better insurance coverage and completes the written application on or before the 15th calendar day after the first regularly scheduled class day.

A student whose course of study requires absence from campus for the entire term shall, upon proper application, receive refund of Activity, Health Service, and Athletic fees. The application for such refund must be made to the Registration Office on or before the 15th calendar day after the first regularly scheduled class day.

Pursuant to guidelines established by the University, part or all of a student's tuition and fees may be refunded because of the student's death or disability, extreme hardship, or institutional error.

A student may receive a refund of tuition and fees if a scholarship is awarded that covers those fees. The application for refund must be made no later than 60 days after the close of the session.

A student may receive a refund of tuition and fees if the University declares him or her ineligible for enrolled status prior to the first day of regularly scheduled class.

The statement of the refund policy for University housing is a part of the housing contract.

Housing Costs: The room and board rate in the residence halls for the 1993-94 academic year was \$3,160 for multiple occupancy and 18 meals per week. Room and board rates for 1994-95 were not established at the time this Catalog went to

press. A limited number of single rooms and extra large doubles are available at an additional cost. Two apartment complexes are available for qualifying upper-class, married, graduate, and family students. Rental rates for 1993-94 ranged from \$197-\$278 per month. Rental rates for 1994-95 were not established at the time this Catalog went to press. For further information, contact the Office of Residential Life (see Residential Life).

Estimated Total Yearly Expenses: Because Illinois State University is a state-supported institution, the cost of attendance is relatively low. The **estimated** total cost of attendance for the 1993-94 academic year (two semesters) was \$9,484 for a student residing in the residence halls. This estimate includes \$6,413 for in-state tuition, fees, and residence hall room and board, plus an estimated \$3,071 for books, supplies, travel, and personal expenses. Estimated expenses for married students or students with dependents vary according to differences in family size. Out-of-state residents pay higher tuition charges and normally spend more on travel. Tuition, fees, and on-campus housing charges are **subject to change** by action of the Board of Regents. **All other amounts are estimates and are subject to change.**



SERVICES FOR STUDENTS

Financial Assistance

FINANCIAL AID OFFICE

Fell Hall 231, (309) 438-2231

The Financial Aid Office annually administers and coordinates more than 50 million dollars in aid to more than 50 percent of the student population at Illinois State University. These funds are awarded to eligible applicants. Financial Aid advisors are available on a walk-in and appointment basis Monday through Friday from 9 a.m. to 4 p.m. Advisors can provide individual assistance to students and their families regarding available types of aid, eligibility requirements, application procedures, need determination, part-time employment, money management, and other related matters.

All financial aid is coordinated through the Financial Aid Office. Three types of financial assistance are available through federal, state, University, and private sources: 1) grants and scholarships, 2) part-time employment, and 3) loans. Scholarship, grant, and loan checks issued by Illinois State are automatically credited or restricted to pay outstanding University charges, including registration and housing charges. Students interested in receiving financial aid are encouraged to complete necessary applications before the preferential filing date of March 1.

To qualify for federal or state financial aid programs, an applicant must:

1. Be a citizen of the U.S. or a permanent resident;
2. Demonstrate financial need as determined by a need analysis method approved by the U.S. Department of Education;
3. Be enrolled as at least a half-time student (6 hours) in a program leading to a degree or certificate (i.e., classified). Students not pursuing a degree (i.e., unclassified) are not eligible for any type of federal or state financial aid;
4. Not be in default on a Perkins Loan (formerly National Direct Student Loan) or any guaranteed/federally insured student loan (GSL, PLUS, ALAS, SLS) approved by a guaranty agency;
5. Not owe a repayment to a grant program;
6. Make satisfactory progress toward a degree as defined by Illinois State University (see Satisfactory Progress Policy);
7. Be registered with Selective Service if the student is a male, at least 18 years of age, born after December 31, 1959, and not a current member of the active armed forces;

NOTE: A student may not receive federal or state financial aid from more than one institution at the same time.

For further information, students may refer to the *Illinois State University Financial Aid Information Guide* or contact the Financial Aid Office.

Application Procedures: To be considered for need-based financial aid at Illinois State University, students are required to submit the following documents to the Financial Aid Office:

1. The Illinois State University Financial Aid Application. The preferential filing date for the Illinois State University Financial Aid Application is **March 1, 1994**. Applications received after this date will be processed according to availability of funds and staff time.
2. Income and asset information generated by filing the Free Application for Federal Student Aid (FAFSA). All need analysis forms—regardless of processor—are free. List Illinois State University as a college of choice, and check the item releasing application data to Illinois State University and to the State Grant Program (ISAC).
3. Financial Aid Transcripts from all other colleges attended, whether or not the student received financial aid from the previous school(s) are required. A financial aid transcript must be received each time the student leaves Illinois State University and attends another post-secondary institution.

NOTE: The Financial Aid Transcript is not the same as the academic transcript required for admission.

Read the instructions for each application carefully. Complete applications accurately, using information from *actual completed tax returns*. Discrepancies in data will delay awarding and disbursement of financial aid. Limited funds, late application, or discrepant information in the application may keep an applicant from receiving aid.

Beginning in February, first-time applicants will receive an Award Letter showing *estimated* awards for the 1994-95 academic year. These estimated awards will be based on unverified data and will be revised appropriately once the data supplied by the applicant is verified. Award letters indicating *actual* awards will be mailed beginning May 1.

In an effort to provide improved service to students, the Financial Aid Office is participating in the Institutional Quality Assurance Program (IQAP). The IQAP project is an initiative of the U.S. Department of Education. As a result, a small number of applicants may be requested to provide additional documentation to verify their application data.

Satisfactory Progress Policy

1. Illinois State University requires satisfactory progress toward a degree as an eligibility requirement for financial assistance.
2. The amount of any financial aid award is based on a number of factors, including the number of hours for which the student is enrolled at the time funds are disbursed.
3. For purposes of this policy, academic term is defined to include the Summer session, or the Spring, and/or Fall semesters.
4. A student must have *earned hours* (A) equal to at least 75 percent of the total *hours attempted* at his or her current degree level (i.e., undergraduate and graduate credits cannot be combined) to be considered eligible for aid in the succeeding term. *New students* (B) will be given

an adjustment period; if a new student does not earn 75 percent of the *hours attempted* (C) the student will be considered on probation but aid will not be withdrawn.

5. A student's eligibility is terminated at the point when *total hours attempted* (C) equal 180 for the bachelor's degree.
6. This policy is applicable to all students receiving University administered financial aid funds during any academic term. Categorical exceptions approved by the Provost will be handled by the appeal process.
7. Prior to the beginning of each academic term, financial aid personnel will review the eligibility of applicants. Those in violation of this policy will be notified in writing of their eligibility status.
8. Reinstatement is available automatically by earning additional hours at Illinois State to meet the 75 percent standard, or by appeal. The appeal procedure must be initiated by the student by obtaining a Satisfactory Progress Appeal Petition from the Financial Aid Office and returning the completed form with documentation to that office PRIOR to the tenth day of classes of the next academic term for which the student will be enrolled.

NOTE: Students should consult the appropriate section of this catalog for academic policies and graduation requirements.

Definitions: The following definitions apply to the above policy and are referenced to the appropriate section.

- A. For undergraduates, *earned hours* are the sum of hours for which the student has earned a grade of A, B, C, D, CR, or CT (including repeats). Withdrawals, incompletes, audits, and failures are not earned hours.
- B. *New student* is defined as a freshman with 0-20 hours attempted at Illinois State.
- C. *Hours attempted* are the sum of the hours for all Illinois State University courses for which registration charges were incurred. Transfer hours will be included in hours attempted.

Repayments and Refunds: Federal law requires that the University refund to a student who is attending the institution for the first time and who officially withdraws from the University prior to the 60 percent point in time in the period of enrollment for which the student has been charged, not less than that portion of tuition, fees, room and board, and any other charges assessed that remain on the last recorded day of attendance, rounded downward to the nearest ten percent, less any unpaid charges, and less an administrative fee not to exceed five percent of the tuition, fees, room and board and other charges, or \$100, whichever is less.

A registered student who officially withdraws from the University may receive a reduction of tuition, fees, room and board according to the University refund policy. If the reduction produces a credit balance in the student's account, the Financial Aid Office will determine what portion, if any, of the credit balance is attributable to Title IV aid funds and what portion is attributable to other sources, including cash payments by the student.

The portion attributable to Title IV aid funds is determined by applying the formula: total Title IV aid funds received, minus Federal Work-Study used, divided by all aid received, minus Federal Work-Study used. The amount attributable to Title IV aid is restored to Title IV program accounts in the following order: Subsidized Federal Stafford Loan, Unsubsidized Federal Stafford Loan, Federal PLUS Loan, Federal Pell Grant, Federal SEOG, Federal Work-Study. The amount not attributable to Title IV aid is restored or refunded in the following order: state aid funds, institutional aid funds, private aid funds, the student.

For Summer session, the above guidelines will be applied in a corresponding manner to determine the amount of repayment to financial aid funds due to withdrawal.

Regardless of the amount of repayment, a student withdrawing from a class at any point in the term may violate the Satisfactory Progress Policy and become ineligible to receive future aid. For determining student status, refer to the Satisfactory Progress Policy.

Unclassified Students: Unclassified Students are defined as those students not enrolled in a specific undergraduate or graduate degree program. Federal regulations specify that financial aid cannot be awarded to unclassified students.

Confidentiality and the Release of Information: The Financial Aid Office will release information about the financial status of a student to those parties within the University concerned with financial welfare as related to the student's attendance at Illinois State University. Inquiries from off-campus agencies and/or landlords will be answered by Financial Aid staff only if the student has completed, in advance, a "Consent to Release Information" form available in the Financial Aid Office. To protect the confidentiality of the student's records, the Financial Aid Office will request proper identification in person before releasing any information concerning the student's financial aid status.

FEDERAL GRANTS AND BENEFITS

Federal Supplemental Educational Opportunity Grant (FSEOG): This program provides grants for undergraduates with exceptional financial need. Awards may range from \$100 to \$4,000; however, funding limitations restrict the average award at Illinois State University to \$600 per academic year.

Federal Pell Grant: This program provides federal financial assistance in the form of grants to undergraduate students who demonstrate need. Students will receive a Student Aid Report (SAR) approximately six weeks after completing a need analysis application. Students should review all copies of the SAR. If they are complete and accurate, *all copies of the SAR should then be submitted immediately to the Illinois State University Financial Aid Office* where the amount of the Pell Grant will be determined. A photocopy of this report should be retained for the applicant's own records. Refer to the Application Procedure to be considered for a Pell Grant at Illinois State University.

Department of Rehabilitation Services: Under Public Law 113, the federal and state governments jointly provide rehabilitation services to any disabled individual to enable the person to engage in a remunerative occupation. These services may include a financial grant that covers all or part of the tuition and fees and/or the student's maintenance costs. For detailed information and assistance in making application for State Rehabilitation Services Assistance, write to the Department of Rehabilitation Services, 623 E. Adams Street, P.O. Box 19429, Springfield, IL 62794-9429.

Veterans' G.I. Bill: Contact the Illinois State University Veteran's Affairs Office, 209 Julian Hall, for details.

Survivors' and Dependents' G.I. Bill: Children and spouses or survivors of veterans whose deaths or permanent total disabilities were service-connected in the Armed Forces after the beginning of the Spanish-American War may be eligible for benefits. Children of servicemen or service-women missing in action or prisoners of war for more than 90 days are also eligible. Contact the Illinois State University Veteran's Affairs Office, 209 Julian Hall, for details.

STATE SCHOLARSHIPS AND GRANTS

Some state scholarships may be used by students enrolled for classes on or off campus; others are restricted to persons enrolled on campus only. Students who do not intend to be enrolled for consecutive semesters may need to file for a leave of absence or reapply annually. Contact the Financial Aid Office for further instructions.

Illinois Student Assistance Commission (ISAC) Monetary Award Program: The ISAC Monetary Award Program awards tuition and fee grants based on financial need to undergraduate students enrolled on campus. The applicant must meet eligibility criteria as determined by the rules of the ISAC.

Applicants for the Illinois Student Assistance Commission Monetary Award (ISAC) must check "yes" to the question concerning release of information to the state agency on the need analysis form they complete (refer to Application Procedures).

National Guard Scholarship: Any enlisted person who is actively serving in either the Illinois Army or Air National Guard or Illinois Naval Militia and who meets the following requirements may participate in the college scholarship program: (1) The applicant must fulfill all necessary college or University entrance requirements. (2) The applicant must submit an annual application to the Illinois Student Assistance Commission (ISAC) for the scholarship and supply proper proof of eligibility (eligible applicants receive an entitlement letter that must be presented to the institution for authorization of tuition and fees covered under this program). If the applicant ceases to be a member of the Illinois National Guard or Naval Militia, the educational benefits will be terminated as of the militia termination date. Contact the Financial Aid Office for further information.

Illinois Veteran Grant: A veteran who was a resident of Illinois both before and after one year or more of active duty, and received other than a dishonorable discharge, may qualify for the Illinois Veteran Grant. All veterans applying for the IVG must complete the Illinois Veteran Grant Application and submit it with a photocopy of their DD214 to the Illinois Student Assistance Commission. A grant letter with an identification number will be issued and must be presented to the Financial Aid Office.

State Special Education Scholarships: The State Special Education Scholarships are made available by legislative enactment to selected high school graduates who agree to take courses that will prepare them to teach the disabled. To be eligible, a student must be in the upper half of his or her high school graduating class. The scholarship is valid for not more than four years of attendance within a six-year period. This scholarship carries an obligation to teach in Illinois two of five years following graduation. If this obligation is not fulfilled, the total amount received must be repaid to the State of Illinois, with interest at the rate of five percent. Interested persons should contact the Superintendent of their Regional Office of Education about this scholarship which covers tuition and activity fees for each semester and Summer session.

Paul Douglas Teacher Scholarships: The Illinois Student Assistance Commission awards scholarships to full-time students enrolling in Teacher Education. Applicants must be Illinois residents and rank in the top ten percent of their high school graduating class. Financial need and other aid is considered in determining the amount of the award. Should a recipient change academic majors or fail to teach after graduation, a portion of the total amount awarded plus interest must be repaid.

Merit Recognition Scholarship (MRS): This program is supported by the Illinois Student Assistance Commission and is available to the top five percent of each Illinois high school graduating class. An annual award of up to \$1,000 is given to those students nominated by their high school counselor. The application sent from ISAC to the student must be submitted to the Financial Aid Office. Recipients must enroll for at least six hours for two terms each academic year, plus receive a 2.5 GPA, to qualify for the one-year non-renewable award.

General Assembly Scholarships: General Assembly Scholarships that cover tuition and activity fee charges are usually awarded one year at a time. Interested students should contact their State Representative or Senator. A competitive examination may be given to determine eligibility. The student must be a resident of the district from which he or she hopes to obtain the scholarship.

Regents' Tuition Waivers: Undergraduate tuition waivers are used to recruit talented students to the University and specific areas listed: Art, Music, Theatre, International Studies, Agriculture, Speech, the academic Honors Program, and Intercollegiate Athletics. These are awarded by the Illinois State University departments.

INSTITUTIONAL SCHOLARSHIPS AND AWARDS

Community College Foundation Scholarship Program: provides merit-based renewable and non-renewable awards ranging from \$500-\$2000 to outstanding transfer students and is based on academic achievement and completion of a baccalaureate-oriented associate degree in arts or sciences. Application is by invitation in early January. These awards are not based upon financial need, although each recipient must complete the financial aid application process annually.

Presidential Scholars Program: This is a program for academically-gifted students and is available only to students invited to participate. Recipients of these awards are selected by the University Scholarship Committee on the basis of high academic achievement, including rank in high school graduating class, score on college admission tests (ACT/SAT), course preparation, personal interviews and leadership qualities.

- * Twenty-five awards of \$6,000 per year and
- * Twenty awards of a full tuition waiver plus \$500 will be awarded.

Both awards are renewable for a total of eight semesters. These awards are not based upon financial need, although each recipient must complete the financial aid application process annually.

Students who apply for the Presidential Scholars competition but do not receive Presidential Scholarships are automatically considered for several other scholarship awards. The University Scholarship Committee reviews the same application materials students have submitted for the Presidential Scholars competition and selects students to receive the following awards:

- * Provost's Scholarships—\$1,000 annually-renewable awards
- * Deans' Scholarships—\$1,000 non-renewable awards
- * Illinois State University Foundation Scholarships—\$500 non-renewable awards.

For more information about the Presidential Scholars Program, please contact the University Scholarship Committee, Office of the Provost, Illinois State University, Campus Box 4000, Normal, IL 61790-4000.

In addition, some departments offer scholarships based upon academic achievement to continuing students majoring or minoring in the field of study. For example, Forensics,

Music, Theatre, Art, International Studies and the Department of Health, Physical Education, Recreation and Dance offer awards based upon past performance or upon continued participation in departmental activities. Athletic grants-in-aid are awarded to both men and women for participation in University athletic programs. Scholarships are also offered through the High Potential Students and Minority Professional Opportunities programs.

Recipients of these awards are chosen by the academic department, activity sponsor or team coach. Contact the department chairperson or representative for additional information.

Board of Regents Tuition Contribution Program: Full-time employees of Illinois State University and other Illinois Board of Regents institutions are eligible to have 50 percent of their dependents' tuition waived. This program covers undergraduate students up to age 23 who enroll full or part-time at Illinois State University. Applications are available through the employee's Human Resource Office.

Minority Student Scholarships: Scholarships are awarded to undergraduates participating in the High Potential Student Program and to those selected for the Minority Professional Opportunity Services. For eligibility requirements, consult the Catalog under Special Academic Opportunities.

PRIVATE SCHOLARSHIPS

Approximately 200 foundations, agencies, and other donors award private scholarships to Illinois State University students annually. These organizations include clubs, foundations, organizations, corporations, and churches. Requirements are determined by the donor and are usually based on academic achievement. Students should contact their local area clubs and organizations for further information. The Financial Aid Office has a Private Scholarship Manual available in the Office for student reference.

LOAN PROGRAMS

Federal Perkins Loan: Perkins Loans are available from funds provided jointly by the federal government and the University. These loans are based on demonstrated financial need as determined by the Student Aid Report (SAR) and the Illinois State University Financial Aid Application. Cumulative loan amounts cannot exceed \$15,000 for the undergraduate program and \$30,000 for the student's entire post-secondary program, including undergraduate and graduate studies. At Illinois State University, funding seldom supports awards greater than \$1,500 per year. No repayment is due and no interest accrues until six months (continuing borrowers) or nine months (first-time borrowers) after the student leaves school or ceases to be at least a half-time student. The interest rate is five percent (APR) and the borrower has up to ten years to repay the loan. The minimum monthly payment is \$40.

Federal Family Education Loans: This program includes the Federal Stafford Loan Program (subsidized and unsubsidized loans) and the Federal PLUS Loan Program. The student must complete the Illinois State University Financial Aid application and the Free Application for Federal Student Aid (FAFSA). The subsidized Federal Stafford Loan program is a need-based program; income and asset information may be requested from the applicant's family. The unsubsidized Federal Stafford Loan Program provides Stafford eligibility to students who demonstrate little or no financial need. The student is responsible for payment of the interest from the

date the loan is disbursed. Contact participating banks, credit unions, and savings and loan associations to determine their institutional requirements for borrowing. The student must be enrolled for a minimum of six hours per term to be covered by the loan (five hours for the Summer session) and be making satisfactory academic progress as defined by the University.

Undergraduate students may borrow up to \$2,625 per year for the first year, \$3,500 for the second year, and \$5,500 for the third and succeeding undergraduate years, up to an aggregate maximum of \$23,500. Regulations require that borrowers advance a class level or allow 211 days to elapse before borrowing again.

Repayment provisions for a Stafford Loan are contained in the promissory note. The note should be read carefully since provisions may differ. First-time borrowers pay a variable rate of the 91-day Treasury-bill rate plus 3.1 percentage points, with a cap of nine percent, adjusted annually. Continuing borrowers pay the same rate as their initial loan. Repayment begins six months after graduation or the student ceases to be enrolled at least half time.

Parent Loan for Students (PLUS): Parents of dependent students may borrow any amount up to the full cost of education less any other financial aid. Repayment begins 30-60 days after disbursement of the loan proceeds. Loan applications must be obtained from a participating PLUS lender.

Borrower Counseling: First-time Stafford borrowers (and borrowers new to Illinois State University) are required to participate in entrance counseling prior to receiving the first disbursement of their loan. The purpose of this counseling is to emphasize your rights and responsibilities as a first-time borrower. Prior to leaving college (either by graduation or withdrawal) you are **required** to participate in exit counseling to receive important information about repayment, consolidation, deferment, and other matters and to have the opportunity to ask questions about your specific situation.

STUDENT EMPLOYMENT

Students enrolled for six or more semester hours may work part-time at Illinois State University. Eligible student employees usually work 10 to 15 hours per week while classes are in session. Students working at Illinois State University earn from \$4.25 to \$8.85 per hour. This pay range is subject to change by action of federal government, the state, or the institution.

Federal Work-Study Program: This federally-sponsored program enables students with demonstrated financial need to earn a portion of their expenses while they are enrolled at Illinois State. To be considered for Federal Work-Study the applicant must mark the appropriate response on the Illinois State University application. During 1994-95, the federal government pays 70 percent of a Work-Study student's earnings, while the employer pays the balance. A student employed 10-15 hours per week can expect to earn between \$1,200 and \$1,800 a year. Work-Study students find work on-campus (food service, library, Bone Student Center, departmental offices) or in nonprofit, off-campus agencies (hospitals, youth centers, counties, cities, elementary or secondary schools). Work-Study positions are posted on the Job Board located outside the Student Employment Area, Fell Hall 238.

Students go directly to the employer for an interview and, if hired, must complete state and federal withholding tax forms in the Payroll Office, 101 Hovey Hall. Work-Study employers must also complete and return a Student Employment Form

and an INS Form I-9 to the Financial Aid Office for each student hired. The student is not permitted to earn more than the Work-Study eligibility determined by federal regulations.

Federal law requires that the University refund to a student who is attending the institution for the first time and who officially withdraws from the University prior to the 60 percent point in time in the period of time for which the student has been charged, not less than that portion of tuition, fees, room and board, and any other charges assessed that remain on the last recorded day of attendance, rounded downward to the nearest ten percent, less any unpaid charges, and less an administrative fee not to exceed five percent of the tuition, fees, room and board and other charges, or \$100, whichever is less.

Regular Student Employment: Those students who desire to work on or off campus may wish to seek part-time employment with the University or off campus. The Financial Aid Office has information on such employment opportunities posted on the Job Board located outside 238 Fell Hall.

Financial Aid Check Distribution Information: Financial aid checks will be mailed throughout the academic year. Students should be financially prepared to buy books and pay other "start up" costs.

Before any campus-based aid (Perkins Loan, Student-to-Student or FSEOG) will be credited to the student's account, a student must have received and returned a signed award letter to the Financial Aid Office. Perkins Loan recipients must also complete and submit a Personal Data Form.

A Pell Grant check will be credited *only after all three parts of a Student Aid Report (SAR) have been submitted to the Financial Aid Office (while the student is enrolled) and any discrepancies have been resolved.* Stafford Student Loan checks will be made available as checks are received by the Financial Aid Office. First-time Stafford borrowers (and borrowers new to Illinois State University) must fulfill the entrance counseling requirement (see statement on Borrower Counseling). Stafford checks for first-year, first-time undergraduate student borrowers must be held until the 30th day of the academic period before they may be delivered. *Students who are absent from their regular campus address because of student teaching, study abroad, illness, etc., should write a request to the Student Accounts Office indicating their name, social security number, and the specific address to which the check is to be mailed.*

VETERANS' SERVICES

Julian Hall 209, (309) 438-2207

The Office of Veterans Affairs advises veterans and their dependents on matters relating to benefits and payments. Certain dependents of deceased war veterans are entitled to educational benefits from the Veterans Administration. A student seeking such benefits should contact the Veterans Affairs Office.

Campus Living: Accommodations and Policies

OFFICE OF RESIDENTIAL LIFE

Office of Residential Life, (309) 438-8611

RESIDENCE HALLS

The University owns and operates 13 residence halls, providing living accommodations for approximately 7800 students. These facilities include spaces accessible to students

with disabilities. The residence halls have been designed to provide not only basic living requirements, but also counseling, advising, educational and co-curricular programs. The University regards residence hall living as an important part of University life and requires that certain students reside in the residence halls as a condition of enrollment.

Professional staff, aided by undergraduate Resident Assistants, are responsible for educational programs, policies, and facilities within the residence halls.

Room assignments are made after consideration of each student's preference, not only of location, but also of living style. Students may elect to pay each semester of room and board in one lump sum or in installments.

The room and board rate in the residence halls for the 1993-94 academic year was \$3,160 for multiple occupancy and 18 meals per week. Room and board rates for 1994-95 were not established at the time this Catalog went to press. A number of single rooms are available at an additional cost. For students selecting a 15-meal contract without weekend meals, there is a reduction of \$15 per semester from the basic contract. A \$50 security deposit is required which is retained until the final period of occupancy; additionally, a \$50 application and processing fee is assessed. Students are expected to furnish linens, towels, blankets, pillows, bedspreads, and waste baskets.

University On-Campus Housing Policy: Entering freshmen who have not previously attended this University must reside in University-operated residence halls for their first four semesters. Students transferring to this University as sophomores (as classified by the Office of Admissions) must reside in University-operated residence halls for their first two semesters. These regulations are applicable to all students insofar as space is available in University residence halls. Residence hall living for two Summer sessions is equivalent to one semester.

The University may make exemptions for certain categories of students based upon guidelines related to marital status, proximity of home to campus, age, and other pertinent factors. Special consideration will also be given to applications for exemption received prior to August 1 from sophomore students who are members of Interfraternity Council Panhellenic Association and National Panhellenic Council, Inc. member fraternities or sororities who will be residing in their organizations official house. If students wish to appeal a decision concerning their petition for an exemption to the University On-Campus Housing Policy, they may obtain information on the appeals procedure from the Office of Residential Life.

APARTMENT LIVING

Two University-owned apartment complexes provide residents with an environment conducive to both personal and academic growth. Qualifying upper-class, married, family, and graduate students are eligible to reside in these units.

There are 292 unfurnished apartments in the two complexes, Cardinal Court and 300 Shelbourne Drive, offering residents a quiet environment, community atmosphere, excellent maintenance service, spacious grounds, and good proximity to academic buildings. Rental rates for the 1993-94 year ranged from \$197 to \$278 per month. Rental rates for 1994-95 were not established at the time this Catalog went to press. Water and cable television service are provided by the University; all other utilities are paid by the resident. A \$150 security deposit is required and is held until after occupancy is terminated.

For additional information and an application contact the Office of Residential Life.

Off-Campus Housing: Illinois State University has discontinued its classification of any off-campus housing as being approved by the University. The University does not participate in housing contracts issued to students renting space in private housing and does not participate in the inspection of any off-campus housing.

CHILD CARE

Located in 122 Turner Hall, the University's Child Care Center provides affordable, quality child care for students' children, ages two to ten years old. For more information, contact the Center Director at (309) 438-5026 or stop by the Center to pick up an application packet.

Academic Support Services

ACADEMIC ADVISEMENT CENTER

340 Fell Hall, (309) 438-7604

Undergraduates with fewer than 30 semester hours, and all General, Pre-Nursing, and Unclassified Students are advised in the Academic Advisement Center. Academic advisors assist students in long and short-range academic and career planning, provide information regarding University curricula and academic policies, work with students experiencing academic difficulty, refer students to other University services, and assist students in the selection of courses. Each summer, entering students receive academic advisement through the Center as part of "Preview." Once students with declared majors have earned 30 hours, they are assigned a faculty advisor in their major department.

Students who begin their work at Illinois State as freshmen are required to meet with their assigned academic advisor to discuss the Academic Progress Summary before they register for work beyond the second semester.

Students are responsible for meeting the requirements of the degree(s) they are pursuing. These requirements are stated in the *Undergraduate Catalog* under which a student is admitted (or readmitted). In planning a degree program, students are expected to consult the Catalog and to raise any questions with appropriate University offices.

Adult Services Office

388-389 Fell Hall, (309) 438-8695

The Adult Services Office is an information, referral, and problem-solving clearinghouse for students 25 or older who have been away from the classroom setting for a period of time. Career counseling and academic advisement are available prior to admission and enrollment. Orientation, special workshops, late afternoon and Saturday appointments, and other services are available to meet the diverse needs of the returning adult student. The Adult Learner Admission and Senior Citizen Program are administered in this unit.

MATHEMATICS TUTOR CENTER

330 Stevenson, (309) 438-8781

The Mathematics Tutor Center provides tutorial assistance to students enrolled in courses in Mathematics. Intensive remedial assistance is not provided. Interested students and faculty should contact the Mathematics Department for more information.

THE UNIVERSITY CENTER FOR LEARNING ASSISTANCE

401 Stevenson, (309) 438-7100

The University Center for Learning Assistance provides individual tutoring, small group tutoring, and short courses to students in the following areas: writing, reading, study skills, and various areas of course work, especially University Studies. Tutors for the Center are advanced undergraduate students who are trained and experienced in the areas they tutor. Students in specified courses may participate in Supplemental Instruction, small-group study sessions designed to promote active learning in certain content areas. Students who desire tutorial assistance should call or come to the Center. Instructors interested in adding tutorial assistance to their courses should contact the Center directors. Questions concerning English Placement examinations or the University Writing Examination should be addressed to Center staff. Quick advice on matters of grammar, style, and form in writing may be addressed to the Grammar Hotline at 438-2345.

Counseling and Career Services

COUNSELING CENTER

Third Floor, Student Services Building, (309) 438-3655

The primary goal of the Student Counseling Center is to assist students to acquire those skills, attitudes, values, and knowledge which will help them maximize their opportunity for academic, career, and personal growth. It is also the Center's goal to support cultural diversity and foster an environment which respects individual and group differences. To accomplish these goals, the Center provides a full range of counseling services, including career counseling, personal counseling, counseling (both individual and group), and crisis intervention. In addition, the Center is involved in the training of undergraduate and graduate students and has a doctoral internship which is approved by the American Psychological Association. A person may initiate contact with the Center by calling 438-3655. The Center is located in the new Student Services Building on the northwest corner of University and College Avenue. All contacts are confidential and do not become part of a student's academic or medical records.

CAREER SERVICES CENTER

Lower Level, Student Services Building, (309) 438-2200

The Career Services Center offers students the opportunity to receive career services and job/graduate school search assistance at a central location in three interrelated ways. **Career Planning, Professional Practice and Placement** provide a variety of individual as well as group programs to meet the career development needs of Illinois State University students. Beginning with the first semester of the freshman year and continuing through your final semester at the University, certain steps can aid the process from choosing a major to launching a career.

Career Planning

Lower Level, Student Services Building, (309) 438-2200

Career Planning provides a variety of career related experiences to help students with the different career stages. In stage one, **Assessment**, students become aware of interests,

skills, values, and personal characteristics and begin to integrate knowledge of self into a career identity. In stage two, **Exploration**, students explore University resources and career options congruent with their career identity. In stage three, **Experience**, students are encouraged to examine ways of relating their major and their interests to the world of work. In the final stage, **Implementation**, students begin the process of implementing decisions, setting career goals, developing strategies for goal attainment and carrying out these strategies. Career counseling, computerized career guidance, and interest inventories are offered to assist in career planning.

Professional Practice (Internships and Cooperative Education)

Lower Level, Student Services Building, (309) 438-2200

Professional Practice is a University-wide program that provides students with an opportunity to earn academic credit while gaining professionally supervised paid or unpaid work experience in business, industry, government, and other agencies and organizations. The work experience must be career and/or academically related, and may take place at local, regional, national, or international sites. Professional Practice provides two major options: **Internships and Cooperative Education**. Interested students should contact their department coordinator or the Professional Practice Office of the Career Services Center.

Placement

Lower Level, Student Services Building (309) 438-2200

Placement provides individual employment counseling, computerized referral service, vacancy listings, on-campus interviewing, and employer outreach to help students identify and attain jobs.

Senior Days and other special events are offered to help students meet employers from business, industry, government and non-profit agencies. Assistance is also provided to students considering graduate or professional school. Placement files containing letters of recommendation are maintained and distributed by request to employers. In addition, resume critiques and mock interviews are offered.

Health-Related Services

STUDENT HEALTH PROGRAM

Medical Service: Student Services Building, Second Floor, (309) 438-8655

Student Insurance Office: Student Services Building, Second Floor, (309) 438-2515

The Student Health Program consists of two components: 1. The On-Campus Student Health Service and 2. A comprehensive low cost Student Health and Accident Insurance Plan that supplements services available through the Student Health Service. All students who register for one or more credit hours during the Fall and Spring semesters, Summer session and all graduate assistants with a tuition waiver pay a Health Fee. Regarding health insurance, all students registered for nine or more hours during the Fall and Spring semesters by the 15th calendar day of classes (or for six or more hours by the eighth calendar day of the variable length Summer session) and all graduate assistants with tuition waivers are assessed a health insurance premium.

On-Campus Student Health Service: Students who register for one or more hours and pay the Health Service fee are entitled to use all the services at the on-campus Student Health Center for the entire session. Spring semester students who do not plan to attend the Summer session classes (but are preregistered for Fall) may obtain prepaid summer health care if they pay the appropriate health fee by the eighth calendar day of the Summer session. Spouses of students enrolled for one or more hours are eligible to use Student Health Services if they pay the health fee within the deadline. All optional fees are payable at the Student Health Service Business Office.

The Student Health Service is located on the second floor of the Student Services Building located west of the Bone Student Center. The Health Program is fully accredited by the Accreditation Association for Ambulatory Health Care, Inc. Health services at the clinic are comparable to those offered by most private community physicians. The clinic is staffed by licensed physicians and registered nurses. Clinic ancillary departments include laboratory, radiology, pharmacy, and health education. Students wanting to use the clinic should call to schedule an appointment (438-2778) and bring their Illinois State Student ID cards when checking in.

Complicated illnesses or injuries requiring surgery or long term care will be referred to an outside specialist. New students who have chronic medical conditions such as asthma, diabetes, or epilepsy, which require continuous monitoring and treatment, should retain the services of private physicians for the continuing management of their condition. The Health Service will be glad to furnish supportive care and assist the student's private physician in the student's care if the private physician furnishes written instructions. There are competent medical specialists plus two hospitals in the Normal-Bloomington area that are equipped to handle medical problems should they arise. Information regarding medical services can be obtained by contacting the Student Health Service reception area located on the second floor of the Student Services Building, or calling (309) 438-8655.

Student Health and Accident Insurance: The *Student Health Insurance Fee* provides a health and accident insurance policy intended to meet the needs of students without other insurance or to provide 100 percent coverage for insured expenses by coordinating with a family policy. Insurance coverage is world-wide. The policy includes a \$100,000 maximum per condition, a \$1,000 stop-loss provision designed to provide catastrophic coverage while limiting out-of-pocket expenses, and a \$50 deductible per condition. The schedule of benefits includes services for hospital inpatient and outpatient use, including emergencies, surgical and anesthesia fees, physician's charges, consultation expenses, laboratory and radiology expenses, and ambulance services. A complete schedule of benefits may be obtained from the Office of Student Insurance, Room 230 in the Student Services Building.

Coverage for a student's qualified dependents may be obtained at additional cost if an application is submitted to the Office of Student Insurance within the first 15 calendar days of each semester (eighth day of the Summer session) or within 31 days of acquisition of a new dependent. Student insurance coverage begins the Thursday prior to the first day of regularly scheduled Fall classes and 48 hours prior to Spring semester or the Summer session. This coverage is terminated on the first day of classes of the next regularly scheduled term. Continuous year-round coverage is available

if the student maintains University registration at nine or more hours during the first and second semesters and applies for summer coverage at the Student Health Insurance Office prior to the expiration of spring coverage. A summer insurance fee will be assessed in tuition and fees only by registration of six or more credit hours prior to the eighth calendar day of the variable length Summer session. An insured student who graduates may purchase one additional term at the group rate by applying prior to graduation day. This policy contains no extension of benefits into a non-covered semester for any condition. Extension of coverage for existing conditions, such as maternity, is available through the conversion option, details of which can be obtained through the Student Insurance Office.

It is strongly recommended that students remain enrolled in this plan even if other health insurance is present. A request to cancel this insurance plan is permitted during the first 15 calendar days of each semester (eight days during the Summer session) for those students who prove they have comparable insurance coverage (insurance I.D. card or copy of policy) and complete the required petition in the Student Insurance Office. However, experience has often shown that the premium for the Illinois State University plan is less than out-of-pocket bills that many have to pay because of higher deductibles and co-insurance provisions in their own policy. Additionally, students sometimes lose coverage through their parents' plan because of age limitations, changes in dependent status, or changes in employment of parents. Thus, it can be more economical to remain enrolled in the Illinois State University plan.

The above information is a summary of benefits and enrollment procedures for students and dependents. Persons desiring specific information about the Illinois State University Student Health Insurance Plan should contact the Illinois State University Student Health Insurance Office, Room 230, Student Services Building, or call (309) 438-2515.

DISABILITY CONCERNS

350 Fell Hall, (309) 438-5853—Voice
(309) 438-8620-TDD/TT—Telephone for the Deaf

This office assists persons with disabilities in becoming full and participating members of the University community as students, faculty, and staff. Persons with disabilities refers to individuals with sensory, physical, or learning disabilities, emotional problems, chemical dependency, spinal cord injury, cerebral palsy, arthritis, multiple sclerosis, spina bifida, cardiovascular problems, asthma, epilepsy, sickle cell anemia, and many others.

The Disability Concerns Office offers a variety of services to accommodate persons with disabilities. Services provided include, but are not limited to: readers, sign-language interpreters, wheelchair-pushers, tutors, brailists, and note-takers. Each person is an individual with specific needs based on his or her disability. The appropriate accommodations are determined in consultation with the Director and service delivery plans established. The Office maintains a list of persons interested in being employed as Personal Assistants (PA). Students with a disability requiring a PA are responsible for securing their own PA. The Director will meet with the student, if he/she desires, and the PA to assist with drawing up the necessary contract. The office assists some persons with disabilities in class registration and scheduling concerns. Most services are provided by volunteers from the

University and community. Persons interested in volunteering should contact the Disability Concerns Office.

Students with disabilities should make an early contact with the Disability Concerns Office to facilitate their successful integration into the University community. All information regarding a person and his/her disabilities is confidential. Persons with disabilities are encouraged to contact the Office of Disability Concerns, (also the 504 and ADA Coordinator), at 350 Fell Hall, (309) 438-5853—Voice or TDD/TT (309) 438-8620—Telephone for the Deaf, as early as possible.

SPEECH AND HEARING CLINIC

Fairchild Hall 211, (309) 438-8641

Students may obtain evaluation and therapy services for a wide range of speech, language, voice, and stuttering disorders as well as hearing services including hearing testing, auditory training, and all aspects of hearing aid dispensing and management. Students are exempt from fees for services but not from the costs associated with the purchase of products such as hearing aids and batteries. Please contact the Speech and Hearing Clinic for appointments.

Co-Curricular Opportunities and Services

STUDENT LIFE AND PROGRAMS

Student Services Building, Third Floor, (309) 438-2151

The Student Life and Programs Office is primarily concerned with encouraging the total development of students at Illinois State by coordinating and promoting educational, recreational, social, cultural and entertainment programs that create opportunities for out-of-classroom interaction and individual growth. Through the Office's professional staff and with the involvement of University faculty and staff, advisement and support is offered to all registered student organizations. The University recognizes the role organized activities serves in creating educational experiences for students. Students are encouraged to participate in programs sponsored by the wide variety of organizations active on campus. Individual and group development is provided by means of a year-long, comprehensive series of workshops. In addition to maintaining a relationship with the social sororities and fraternities on campus, the Office coordinates a variety of University-wide activities and performing events through involvement with the entertainment programming organizations. The Office also coordinates the allocation process of student activity fees, a placement service for student volunteers, a number of services and programs for parents, and a comprehensive safety/security program on the campus. A description of the many organizations and activities on campus is provided in *The Student Handbook*, available in many University offices, including Student Life and Programs.

STUDENT CLUBS, ORGANIZATIONS AND ACTIVITIES

Students' academic interests are complemented by a wide variety of co-curricular activities available on campus. Many organizations offer students opportunities for interaction and involvement. Students may demonstrate leadership, creativity and initiative through active participation in the following student organizations and activities including the following:

Student Government Association (SGA): The fulfillment of many student needs and interests can best be facilitated by other students. As the primary student organization representing all students, the Student Government Association promotes the concept of "students helping students." It is committed to serving, representing and working for meaningful changes for students. Since all students are members of the Student Body, they are entitled to its services and activities. The Student Government Association is comprised of two governmental branches. The executive branch offers services and programs to students and performs an advocacy function on behalf of individual students or the entire student body. The legislative branch consists of an Assembly with student delegates which represent the views of the student body to other segments of the community.

The Student Government Association works to coordinate and provide services designed to fill those needs which cannot be met within the University or community. Several student coordinators are responsible for providing programs in the general areas of: student-community relations; governmental relations; public relations; Tenant Union; and the Unity Coalition.

The Student Government Association coordinates, focuses and relays student interests to those who make decisions on matters regarding those interests. In addition, the Student Government Association has the responsibility to take an active role in bringing about changes to improve the environment in which the student learns, works, lives and grows.

The sixteen elected legislators serve as the voting members of the Assembly. In addition, the Executive Branch members, the Student Regent and representatives from affiliate organizations are non-voting members of the Assembly. These organizations include: Academic Senate; Association of Latin-American Students; Association of Residence Halls; Black Student Union; Gay and Lesbian Alliance; and Graduate Student Association. The Student Government Association utilizes interns to implement many of its programs and serve on committees representing the student body. The SGA also monitors the student fee allocation process to ensure that fees are used to achieve the maximum benefit for students. Liaison relationships are maintained with the Academic Senate, the Board of Regents, the Student Affairs Office, the Student Advisory Committee to the Board of Higher Education, the Normal Town Council and major student organizations.

Association of Residence Halls: The Association of Residence Halls is the central governing body for the 14 residence halls. All students living in the residence halls are encouraged to become members of ARH. The purpose of this organization is to identify and make known the needs of residence hall students, to seek improvements in the living and community environment and to present programs that meet residents' needs and interests.

ARH is composed of an Executive Board and an Assembly. The Executive Board consists of the President, Vice-President, Treasurer, Secretary and the Chairpersons of seven standing committees. Each member of the Assembly serves on one of these committees: Food Services, Policy Review, Programming Services, Illinois State Substance Awareness Committee (ISSAC), National Communications and Finance. The Assembly is composed of area government/Black Awareness and Action Committee representatives.

ARH serves as the voice of the residents concerning residence hall policies and life in the residence halls. The Association provides effective student input for staff selec-

tion, room and board rates, renovations, food service and other topics that affect residence hall students.

If you are interested in becoming a representative or a member of the Executive Board, you are encouraged to contact the ARH office in Watterson Towers North (309) 438-2015.

Black Student Union: The Black Student Union is responsible for developing and providing opportunities for African-American students to involve themselves in creating relevant cultural programs. Further, it is responsible for promoting positive identification, association and relationships for African-American historical and contemporary culture. It provides an atmosphere conducive to the psychological and social needs of African-American students. The Black Student Union provides opportunities for the development of decision-making abilities and potential talents of students.

The Black Student Union also provides a vehicle for students to understand their relationship to the total University community. Liaison relationships are maintained with the Student Affairs Office, Illinois Association of Black Students and Midwest Association of Black Student Governments.

Student Communication Media: *The Daily Vidette* newspaper is published daily by students to present important campus news and to reflect student life. Students interested in journalism can receive valuable experience in writing, layout, advertising and editing. The student editor appoints a staff of assistant editors and reporters. A general manager supervises the publication.

WZND is a commercial FM student-run radio station serving both the campus and the Bloomington-Normal community. Programs include locally-produced news, sports and public affairs. WZND is a campus organization with membership open to students interested in all phases of broadcasting.

TV 10 News is a nightly television news program telecast from the Department of Communication studios and carried to the Bloomington-Normal community through the local television cable system. It is produced by the Department of Communication and Student Television Workshop with professional direction. Students working on the program in news or production positions may earn academic credit for their participation.

Student Organizations: There are over 250 different registered student organizations on the Illinois State University campus. These organizations fall into one of eleven categories. The eleven categories are: Departmental; Entertainment; Ethnic; General Interest; Honoraries; Political Interest; Recreation; Religious; Residence Halls; Service; and Social Fraternities and Sororities. The following are definitions of each category.

- *Departmental:* Organizations in this category provide a co-curricular outlet to socialize with others, develop leadership skills and learn of new developments in a particular major or minor field.
- *Entertainment:* These organizations provide a wide variety of entertainment for the student body in the form of concerts, movies, speakers and theme weeks.
- *Ethnic:* These organizations offer students opportunities to explore cultural, social and service aspects of various ethnic backgrounds.
- *General Interest:* General interest groups offer students the opportunity to get involved in a wide variety of student activities that are not generally offered in any other category.
- *Honoraries:* These groups promote scholastic excellence and deeper involvement in various academic areas.

- *Political Interest:* Involvement in politics—on campus as well as on the local, state and national level—is the intent of these groups. Some groups set up political parties for campus elections; while others work with state and national campaigns.
- *Recreation:* Campus Recreation Services and many sport clubs offer opportunities to participate in recreational endeavors. Their purpose is to promote active involvement in a variety of recreation and leisure activities.
- *Religious:* Religious organizations offer students opportunities for spiritual programs. Several religious denominations are represented on campus to satisfy the varied religious needs of the Illinois State University community.
- *Residence Halls:* Governance of residence hall operations and promotion of cultural ideas are two major endeavors for these groups. They also provide programming, development and unity within campus residence halls.
- *Service:* As the title suggests, these organizations provide service to the campus, community and national charities through various philanthropic projects.
- *Social Fraternities and Sororities:* Fraternities and Sororities are social organizations that promote the total educational development of the individual through the group concepts of brotherhood and sisterhood. All of these groups are local chapters of national organizations.

MULTICULTURAL CENTER

305 North School Street, (309) 438-8968

The Illinois State University Multicultural Center is part of the Division of Student Affairs. The Multicultural Center plays a central role in the development of a positive cultural environment at Illinois State University. Through resources, programming, support to multicultural students and outreach, the Center seeks to raise the University's consciousness to the diverse cultures within its community.

The Center is designed as a place for the entire University community to use. It offers two conference rooms that can be reserved for meetings, seminars, or other gatherings, a library with a growing collection of multicultural holdings, and a relaxed atmosphere for studying and meeting friends. Any student requiring help or information about available services is encouraged to contact the Director of the Multicultural Center.

PARENT SERVICES

Parents and family members who need assistance can contact the Office of Parent Services. This agency develops programs which promote family involvement in the University and its educational mission as well as providing information about University resources to parents. This office assists University officials with outreach efforts to parents and conveys the suggestions and concerns of parents to the University community.

The parents of current students at Illinois State University have the opportunity for active involvement in the University through the Parents' Association. All parents of Illinois State University students are automatically members of the Association.

The Association's activities and programs are coordinated through the Parent Services Office. A Parents' Advisory Board, representing various geographic areas, serves as the liaison between the University and all parents.

RECREATION SERVICES

Beech and Willow, (309) 438-PLAY
220 N. Main, (309) 438-8333

Recreation Services hosts an extensive program consisting of five program areas. Lifestyle programs provide scheduled open recreation hours in campus facilities in addition to special activities, including aerobics and Weights Plus at McCormick. Non-credit instruction is available through Learning Exchange in a variety of exciting areas such as scuba diving. A nominal fee is assessed to cover instruction and materials.

Intramural Sports runs an action-packed schedule each semester of competitive leagues and tournaments. Over 30 individual, dual, and team sports are featured for men, women, and co-recreational groups. Sport Clubs, formed by interested students, provide specialized competition as well as instructional opportunities for students. Current clubs include martial arts, soccer, rugby, hockey, and more.

The Outdoor Program provides students with an array of services, including the Outdoor Equipment Rental Center, Outdoor Adventure Trips, a complete Outdoor Reference Library, an outdoor skills series, and a boat concession at Comlara Park. Illinois State University also maintains a par 71, 18-hole Golf Course. A complete pro shop, featuring fine equipment and clothing items plus a light snack menu, is available. Instruction, cart rental, and league play are available to beginners through professionals.

The latest addition to the University and Recreation Services is the Illinois State University Student Recreation Building. This facility is located at the corner of Beech and Willow Streets and offers students six racquetball courts, two full sport courts for basketball and volleyball, a walk/jog track, Weights Plus II featuring Nautilus and free weights, George Arndt's Juice Bar, saunas, Pro Shop, and a sand volleyball court. The Recreation Services Administrative Offices are also located in the building.

Please Note: Students must be registered for 12 or more credit hours in the fall and spring to receive student rates at the Illinois State University Golf Course.

Summer school students must be registered for six or more credit hours to receive student rates at the Illinois State University Golf Course.

BONE STUDENT CENTER/ BRADEN AUDITORIUM

Information, (309) 438-2222

Bone Student Center provides facilities, programs, and services, primarily for students, which complement the educational goals of the University. Included within the Center are a McDonald's, Pizza Hut, and other restaurants; a bookstore and other merchandising centers; photo copying; bus and event ticket sales; automatic teller machines and check cashing; lounge areas; and multi-purpose rooms for student activities and programs. Adjacent to the Center are a Bowling and Billiard Center and a 500-space parking lot.

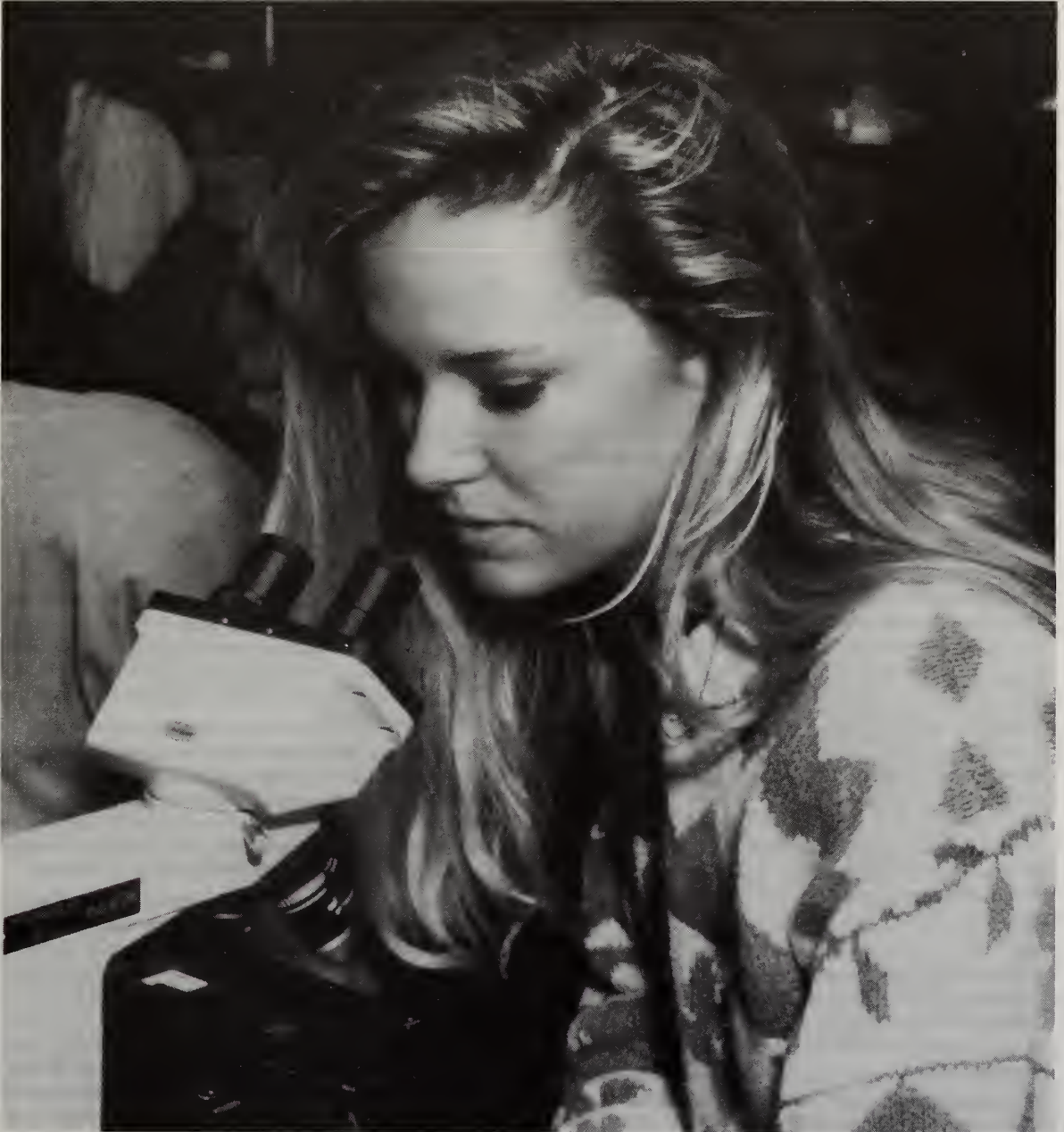
Braden Auditorium seats 3,457 on three levels. It is an academic and public service facility and an entertainment center for the University and the community.

Student Discipline and Grievance Procedure

STUDENT JUDICIAL OFFICE

202 Fell Hall, (309) 438-8621

The Student Judicial Office provides administrative support for the Student Code Enforcement and Review Board (SCERB). The University Hearing Panel, and the Student Grievance Committee. These committees are responsible for the enforcement of the Student Code of Conduct and the review of student grievances. For further information concerning student rights and responsibilities, the Student Code of Conduct, and the student grievance procedure, consult the *Student Handbook* available through the Office of Student Life and Programs in the Student Services Building (third floor) or the Student Judicial Office.



ACADEMIC POLICIES AND OPPORTUNITIES

Academic Policies and Requirements

The University reserves the right to revise Academic Policies and Procedures as deemed appropriate. Changes in this Catalog affect all students, unless otherwise noted, and take effect May 23, 1994.

University Grading System

Course Grades: Instructors assign a grade in each course for which the student is registered. The course instructor is responsible for correcting any error in grading.

The grade point equivalents are 4 for A, 3 for B, 2 for C, 1 for D, and 0 for all other grades. The 0 value of F as well as WF is computed in the student's grade point average. The 0 value of grades I, AU, CR, CT, NC, WP, and WX are not computed in the student's GPA. University grades assigned undergraduate courses are:

- A Excellent
- B Good
- C Satisfactory
- D Poor, But Passing
- F Failing - Assigned to students who are 1) enrolled in a course all semester but fail to earn a passing grade, or who 2) stop attending a class without withdrawing officially
- WP Withdrawal passing - Assigned to students who officially withdraw from a course and who are doing passing work at the time of withdrawal
- WF Withdrawal Failing - Assigned to students who officially withdraw from a course and who are not doing passing work at the time of withdrawal
- I Incomplete
- AU Audit
- CR Credit - Assigned to students who do satisfactory work in a course which is offered on a Credit/No Credit basis only
- CT Credit - Assigned to students who earn an A, B, or C grade in a course which they have elected to take under the Credit/No Credit option
- NC No Credit - Assigned to students who 1) do not do satisfactory work in a course which is offered on a Credit/No Credit (CR/NC) basis only and to students 2) who do not earn an A, B, or C grade in a course which they have elected to take under the Credit/No Credit (CT/NC) option
- WX Withdrawal - Assigned to students who officially withdraw from a course before the quality of work can be determined and before the dates specified in the withdrawal policy

Incomplete: An incomplete (I) will be assigned to a student who is doing passing work but finds it impossible, because of reasons beyond his or her control, such as illness, to complete the required work by the end of the term. The student must have attended class to within three weeks of the close of the semester or to within one week of the close of the Summer session.

The instructor may specify the time by which the required work must be completed, which may be no later than the final

class day of the corresponding term of the following academic year. For graduating students, an incomplete grade must be removed at least six weeks before December or May commencement or two weeks before August graduation. **Students may not graduate with incompletes on their record.**

When the incomplete is assigned, the student, faculty member, and the department chairperson must sign an incomplete removal form. The form will specify the date by which the work must be completed, the default grade (A, B, C, D, or F) which will be assigned if the work is not completed by the specified date, and the nature of the required work. If the instructor fails to file the appropriate grade change by the specified date, the incomplete will lapse to the default grade specified.

Exceptions to this policy may be granted by the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

Auditors: An auditor does not participate in the activity of the class but is expected to attend regularly. A student may register as an auditor in a class or classes if space is available. An Audit (AU) designation will appear on the student's transcript when the instructor certifies that the student has attended the class on a regular basis. If the student has not attended regularly, a WX will be recorded on the transcript after the instructor has notified the Registration Office in writing that the student has not attended regularly. To audit, a student must obtain an Auditor's Permit from the Registration Office, have the instructor sign it, and present the form at the Registration Office. Students must register to audit a course by the tenth day of classes in the semester, with any exception having the approval of the chairperson of the department in which the course is offered and the Associate Vice President, Instruction, and Dean of Undergraduate Studies. The auditor fee is shown in the section on costs. Students who are registered for sixteen or more hours for credit may audit courses without additional fees. Audited courses are considered part of the student's total load.

Credit/No Credit Courses: Certain courses in the University are offered on a Credit/No Credit (CR/NC) basis only. For these courses, students receive a grade of CR (Credit) or NC (No Credit). The offering of a particular course on a CR/NC basis only must be approved in advance by the Office of the Provost.

Credit/No Credit Student Option (commonly called Pass/Fail): An undergraduate student (except a first-semester freshman) who is not on academic probation may choose to register in some courses under an option that allows the student to be graded on the basis of CT (Credit) or NC (No Credit) rather than on the basis of A, B, C, D, or F grades.

This CT/NC option is designed to encourage students to enroll in courses they otherwise would not take. Some courses, therefore, including those in a student's major or minor, may not be taken on the CT/NC option. Exceptions include courses in the student's major or minor field which are offered on a CR/NC basis only.

No more than six semester hours of work under the CT/NC option may be taken each semester, with a maximum of 25 semester hours under the CT/NC option presented for graduation. Although an entry of CT (credit earned under the

option) or NC (no credit earned under the option) will be entered on the student's record, these entries are not used in computing the student's GPA.

Students who plan to enter graduate or professional schools should exercise caution in taking courses under the CT/NC option because courses completed on a pass-fail basis may adversely affect graduate admission opportunities. Such students should consult their academic advisor prior to taking courses on a pass/fail basis.

A grade of CT is recorded when the grade submitted by the instructor is A, B, or C. A grade of NC is recorded when the grade submitted by the instructor is D or F.

A student electing the CT/NC option should do so as part of the regular registration process. In no case may a student elect the option later than the tenth day of classes in the semester. Students who have elected the CT/NC option may return to the letter basis of grading before the last date for withdrawing from a course, as specified in the *Class Registration Directory*.

Course Registration and Withdrawal Policies

Withdrawal Policy: Dropping a Course or Courses: Students are strongly advised to complete all courses in which they enroll and are encouraged to avoid withdrawing from any course after the program change period unless absolutely necessary.

The following policy applies to students who drop a course or courses but maintain an enrolled status within the University:

A student may withdraw from a course during the program change period without the withdrawal being shown on the transcript. (A student should consult the *Class Registration Directory* to obtain specific dates.)

After the tenth day of classes, but prior to the end of the fifth week of classes during any regular semester, a student may withdraw from a full semester course with a grade of WX by complying with the following steps: (1) Obtain, complete, and sign a course withdrawal form; (2) Obtain the instructor's signature on the form; (3) Submit the form to the Registration Office.

A grade of F will be given to students who (1) Fail to withdraw officially from a course in compliance with the above procedure; or (2) Register for a course but do not meet course requirements.

A student should consult the applicable *Class Registration Directory* for specific withdrawal dates during any instructional term. For courses taken during a term less than a regular semester, a proportional withdrawal period will apply.

Upon the written recommendation of a licensed physician or clinical psychologist, or in other unusual circumstances, a student may be granted permission to withdraw officially from a course for medical, psychological, or other similar reasons after the official withdrawal period upon receiving approval from the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

Withdrawal Policy: Dropping all Courses: The following policy applies when a student drops all courses in which he or she is enrolled, which is known as withdrawal from the University. *Students are advised strongly to complete courses in which they are enrolled and not to withdraw from the University unless absolutely necessary.* Before the end of the twelfth week of classes during any regular semester, a student reports to or writes to the Registration Office to withdraw from the University.

If a student's written request to withdraw from the University is granted, all grades will be assigned in the same manner and

under the same provisions as the regular course withdrawal policy except that the student will not be required to contact his or her instructors. Instead, the instructor of each course assigns a WX, WP, WF or letter grade as appropriate depending on the date and circumstances of withdrawal. If medical or other reasons make it impossible for the student to follow the usual procedures, a letter requesting withdrawal that explains the situation, with appropriate verification and the student's signature, will be sufficient. Withdrawals made by mail are addressed to the Coordinator for Academic Services, Office of Registration, Illinois State University, Campus Box 2204, Normal, IL 61790-2204.

Regardless of the circumstances of withdrawal, the student is responsible for returning any laboratory equipment and library materials. The student will pay for any parking fines and remove the parking decal from any registered vehicle.

The student will contact the Office of Residential Life to obtain clearance from room and board obligations and to arrange for vacating the residence hall room. The student should arrange with the Financial Aid Office to place any scholarship on leave or cancel it and make arrangements for future financial assistance. Arrangements for payment of loans must be made in the Office of Student Accounts.

A grade of F will be given to students who 1) do not attend their courses but fail to withdraw from the University before the specified final withdrawal date and to students who 2) register for a course but do not complete course requirements. In unusual cases, exceptions may be granted by the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

Repetition of Courses Policy: A student may repeat a course only once; that is, if a student completes a course, or drops a course after the tenth day of classes receiving a grade of WX, he or she may enroll officially in that course one additional time, and the repetition must occur at Illinois State University.

When a course that is acceptable toward graduation has been repeated, both the original and the subsequent grade (A,B,C,D,F) are included in the student's GPA. *The original grade will not be removed from the student's transcript, and the credit hours will count only once toward meeting minimum hourly requirements for graduation. Students who wish to repeat a course must do so at Illinois State University; courses taken at another college or university may not be used to repeat Illinois State University courses.*

Course Load Policy: A full-time undergraduate student carries between 12 and 17 hours. A student wishing to carry more than 17 hours in a semester may seek permission to do so from the chairperson of his or her major department. The granting of this permission will depend on the student's scholastic record. A freshman may not carry over 17 hours during his or her first semester.

NOTE: First-term freshmen with ACT composite scores of 19 or less and students on academic probation may not carry more than 14 credits. Students who are employed more than 15 hours per week should consider reducing their course load correspondingly.

A student considering enrolling in any classes, including extension or correspondence, at another college or university with concurrent registration at Illinois State University should consult with his or her advisor.

Class Attendance Policy: The attendance policy of the University is based on two principles: first, students are expected to attend class regularly; and second, students are primarily

responsible to the instructor in matters pertaining to class attendance. Every student will be held responsible for class attendance and successful completion of academic work. Attendance regulations are intended to encourage student maturity and are based on the assumption that academic success is the student's primary goal in college.

The University will accommodate, within reason, students in circumstances where a religious observance requires absence from class. Students who are unable to attend class or take examinations for religious reasons should consult their instructors in advance about alternative arrangements.

Class Registration Changes: Detailed instructions for registration for courses are published each semester in the *Class Registration Directory*. There are two ways of registering for courses for the Fall or Spring semesters: (1) advance registration, which is conducted during the preceding semester, and (2) the registration period provided just before the start of classes each semester. Students are encouraged to register during the advance registration period because of the wider selection of courses open to them at that time. New freshmen and transfer students may register during summer Preview or Transfer Days and are encouraged to do so because of the wider selection of courses open to them at that time, or they may register just before the opening of the semester.

A student who is already registered for a particular semester and desires to change his or her program before the deadline for doing so should follow the instructions in the *Class Registration Directory*.

Academic Requirements

Class Standing: Students in a bachelor's degree program are classified as freshmen, sophomores, juniors, and seniors. A student must have completed 30 semester hours to be classified as a sophomore, 60 hours to be classified as a junior, and 90 hours to be classified as a senior. Students not working toward a degree at Illinois State are listed as Unclassified Students.

Major Field or Fields of Study: Students may select a major field of study at the time of admission unless the field they choose has special admissions standards. Students who are undecided about a major field are classified as General Students and are encouraged to select a major field of study as soon as possible. The major and minor fields of study available at Illinois State are described later in the Catalog.

A student may complete the requirements for two majors, both of which will be identified on the student's transcript. When a student double majors, the student indicates only one major for purposes of registration.

Unless otherwise specified in a particular program, students may use a specific course to meet requirements for a major and a second major.

Change of Primary or Secondary Major: A student wishing to enter a second major or change majors must consult the chairperson of the department offering the major.

Oversubscribed majors: Illinois State University regulates admission to designated programs when the number of students seeking to transfer exceeds the available educational resources of the department or to raise the level of student preparation and qualification. Students may be required to meet supplementary selection criteria. **Supplementary selection criteria** may be based on scholastic achievement including prerequisite and University Studies coursework and may include auditions, portfolios, work experience, etc. The selection criteria can be obtained from the intended-major department advisor.

Dismissal from Major: A student who is placed on academic probation for a second or subsequent time will be dropped automatically from his or her major. The student dropped from the major will be classified as a General Student and will receive academic advisement from the Academic Advisement Center. In order to become a major in a department after being dropped, the student must be accepted by the department in which he or she desires to be a major.

Minor Field or Fields of Study: Students often elect a minor field of study. A student may elect to complete the requirements for two minors, both of which will be identified on the student's transcript. A student wishing to enter a minor, second minor or change minors consults with the academic department(s) offering the minor. Unless otherwise specified in a particular program, students may use a specific course to meet requirements for a major and a second major.

Certification Programs: Students who fail to maintain the specific grade point average required by their teaching or other certification program may be dismissed from that program. At the option of the department, students dropped from the program may pursue a degree in their major or be classified as a General Student and will receive academic advisement from the Academic Advisement Center. To become a candidate for a certification program after being dropped, students must be accepted by the department in which they desire to pursue a certification program.

Grade Point Average: To be eligible for graduation, a student must have a minimum grade point average (GPA) of 2.0 (C) in all courses taken at Illinois State University for which grades of A, B, C, D, F, or WF are assigned. Failures are considered in the total number of semester hours taken in computing the GPA. The table below illustrates the counting of grade points to determine the GPA:

| Grade Course | Grade | Sem. Hrs. Enrolled | Sem. Hrs. Earned | Sem. Hrs. For GPA | Grade Points |
|--------------|-------|--------------------|------------------|-------------------|--------------|
| POS 105 | D | 3 | 3 | 3 | 3 |
| BSC 145 | CT | 2 | 2 | 0 | 0 |
| COM 110 | A | 3 | 3 | 3 | 12 |
| MUS 139 | I | 1 | 0 | 0 | 0 |
| CHE 102 | B | 3 | 3 | 3 | 9 |
| HPR 130 | WX | 1 | 0 | 0 | 0 |
| THE 150 | NC | 1 | 0 | 0 | 0 |
| | | 14 | 11 | 9 | 24 |

The GPA is computed by dividing grade points earned by semester hours counted for GPA. In the case above, a GPA of 2.66 is calculated by dividing 24 (total grade points) by 9 (semester hours for GPA). Grades of WX, CT, CR, I, and NC do not affect the GPA.

Academic Good Standing: To maintain academic good standing, a student must achieve a minimum cumulative GPA of 2.0. The number of *semester hours completed* includes all college work done by the student. However, *only the grades earned at Illinois State University* are used in computing the GPA.

For satisfactory progress for financial aid purposes, see Satisfactory Progress Policy. "Academic Good Standing" status is sufficient for continued enrollment in the University and

may be necessary for eligibility to serve on various University committees and for participation in some co-curricular activities. Academic Good Standing status does NOT guarantee admission to, or retention in, specific departments or programs. Information concerning admission to and retention in specific programs is listed in this Catalog under the appropriate departmental or program descriptions.

Academic Probation: Students who fail to meet the above requirements are placed on academic probation for the following term. Information about the probation regulations or a student's own probation status may be secured from the Associate Vice President, Instruction, and Dean of Undergraduate Studies, Hovey 308, Campus Box 4000.

Academic Dismissal: At the end of any term when a student goes on probation a second or subsequent time, he or she is automatically dismissed from the University.

Academic Reinstatement: Students dismissed from the University may petition the Reinstatement Committee for permission to continue. Applications for reinstatement are available from the Office of Undergraduate Instruction, Hovey 308, Campus Box 4000.

A student denied reinstatement should expect to remain out of school for at least one calendar year before the Reinstatement Committee will act on a request for reinstatement.

When brought to the attention of the Committee, an error in the record or new evidence of academic capability (for example, excellent grades achieved in a semester's work at another school) will result in a review of the student's case.

Repeated failures to do satisfactory work may result in **permanent exclusion** from the University.

New Start Policy: Students who left Illinois State in a degree program with less than a 2.0 GPA may return and begin with a new GPA calculated from the point of their reentry in three limited situations:

1. **Adult Learner Option:** Former Illinois State students at least 25 years of age may re-enroll through this program as General Students. If they have attended any college (including Illinois State) in the three calendar years preceding reenrollment at Illinois State University, they must have achieved at least a 2.0 GPA for that college work attempted. Transfer credit will be evaluated and appropriately awarded, and a new Illinois State GPA will be calculated from the time of admission to the New Start-Adult Learner Program.
2. **Veterans' Option:** Students who complete at least a one-year tour of duty and present a discharge for reasons other than dishonorable, and whose first attendance at a college or university after discharge is at Illinois State, are admitted. Students who are veterans may reenter Illinois State as general students. A cumulative GPA will be calculated from the point of admission to the New Start-Veteran's Program.
3. **Community College Transfer Option:** Former Illinois State students who earned 60 or fewer hours at Illinois State prior to enrolling at a community college and who subsequently earn at least 30 hours and a currently accepted associate degree from a community college with at least a 2.0 GPA may reenter as a General Student. The cumulative GPA will be calculated from the point of readmission. Transfer credit will be evaluated and appropriately awarded.

A student may exercise the New Start option only once. Such students will have "New Start" indicated on their tran-

script. New Start will affect only the cumulative GPA. All grades earned at Illinois State, regardless of when earned, will be used in the calculation of the major GPA, the minor GPA, and graduation honors. Students who reenter under the New Start Policy must follow the *Undergraduate Catalog* in effect at the time of reentry. To be eligible for graduation, a student must earn at least 30 semester hours at Illinois State University after exercising this option.

Academic Honesty

Plagiarism: The Modern Language Association's *MLA Handbook for Writers of Research Papers* defines plagiarism as follows:

- repeating another's sentences as your own,
- adopting a particularly apt phrase as your own,
- paraphrasing someone else's argument as your own,
- presenting someone else's line of thinking in the development of a thesis as though it were your own.

In short, to plagiarize is to give the impression that you have written or thought something that you have in fact borrowed from another. Writers may use another person's words and thoughts but must acknowledge them.

The penalties for plagiarism may be severe, ranging from failure on the particular piece of work, to failure in the course, to expulsion from the University in extreme cases. Faculty should refer cases of plagiarism and other examples of academic dishonesty to the Student Judicial Office.

Undergraduate Degree Requirements

Undergraduate degrees available at Illinois State University include the Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, Bachelor of Fine Arts, Bachelor of Music, and Bachelor of Music Education degrees. When applying for graduation, the student indicates the specific degree desired which he or she is qualified to receive. Other requirements are specified for each degree below.

Bachelor of Arts (B.A.) Degree: University Studies requirements; general requirements for graduation; 32 semester hours in humanities and social sciences (consult Undergraduate Evaluation or the Academic Advisement Center for specific courses that apply to this 32-hour requirement); and foreign language, with at least one semester at the 115-level or higher taken in college. Foreign language classes taught exclusively in English are excluded. The Department of Foreign Languages establishes high school and proficiency equivalents. Students for whom English is not their native language can meet the foreign language requirement 1) by taking COM 110 and two English courses or 2) by meeting the 115-level requirement in a language other than their first language. To request this option, written approval from the major department and Associate Vice President, Instruction, and Dean of Undergraduate Studies is required.

Bachelor of Science (B.S.) Degree: University Studies requirements; general requirements for graduation; and field(s) of study requirements.

Bachelor of Science in Education (B.S. in Ed.) Degree: University Studies requirements; general requirements for graduation; Teacher Education approved major; and Professional Education requirements.

Bachelor of Fine Arts (B.F.A.) Degree: University Studies requirements; general requirements for graduation; and Art field of study requirements for B.F.A. degree.

Bachelor of Music (B.M.) Degree: University Studies requirements; general requirements for graduation; and Music field of study requirements for B.M. degree.

Bachelor of Music Education (B.M.E.) Degree: University Studies requirements; general requirements for graduation; Music field of study requirements for B.M.E. degree; and Professional Education requirements.

Graduation Requirements

Meeting graduation requirements is the individual responsibility of each student. To help in the fulfillment of graduation requirements, the student and his or her advisor should check the student's Academic Progress Summary frequently. The following graduation requirements apply to all students and must be successfully completed by the session the student plans to fulfill all graduation requirements. All references to hours are to semester credit hours.

1. **Total Hours:** The actual hour requirement for an undergraduate degree varies by the program or combination of programs a student elects. A student must have a minimum of 120 hours of credit acceptable toward graduation. Some courses, which are noted in the course descriptions, may not count toward graduation. There are some curricula or combinations of fields that require additional hours. If all specified requirements are completed with fewer than 120 semester hours, a student must elect sufficient coursework to total at least 120.
2. **University Studies:** University Studies hours must total at least 48 semester hours, excluding courses taken in the student's major department, distributed over the eight areas described in the *Undergraduate Catalog*. A transfer student, who is admitted to the University from a public community college in Illinois and who has completed an associate degree in a baccalaureate-oriented sequence, will be considered to have met the University Studies requirement; other transfer students must complete the regular University Studies Program. See the University Studies section of the *Undergraduate Catalog* for specific requirements.
3. **Major-Minor Options:** Liberal arts or non-Teacher Education students who are candidates for B.S. or B.A. degrees must complete a major field of study. Completion of a second major, a minor, and second minor is optional. Teacher Education students who are candidates for B.S., B.A., or B.S. in Ed. degrees must complete Professional Education requirements and a major approved for Teacher Education. Some Teacher Education programs require the completion of requirements for a second teaching field.
4. **Senior College Hours:** The senior college hours (courses numbered 200 or above) must total at least 42 hours. Coursework transferred from other colleges and universities is not counted as senior college credit if freshmen and sophomores are regularly permitted to enroll in such work. **No credit from two-year colleges may be counted as senior-level.**
5. **Grade Point Average:** Unless otherwise specified in a specific program, the GPA for all courses taken at Illinois State University must be 2.0 (C) or higher. In addition, the student must have a GPA of 2.0 (C) or higher in the courses required in the major and the minor if the student has a minor.
6. **Removal of Incomplete:** Students may not graduate with incomplete on their record. Each incomplete grade (I) must be removed at least six weeks before December or May commencement, or two weeks before August graduation.
7. **Residence Requirements:** Unless otherwise specified in a specific program, at least 30 of the last 60 hours completed toward the baccalaureate degree must be earned at Illinois State.
8. **Constitution Examination:** Each student must pass an examination on the Constitution of the United States, the Constitution of the State of Illinois, and the proper use of the American flag. The examination is given on different dates throughout the year; for specific dates contact the Office of Measurement and Evaluation in Julian Hall. A student may meet this requirement by successful completion of Political Science 105 at Illinois State University. Students who transfer in a course equivalent to POS 105 from an accredited college or university in Illinois will be considered to have met both the Constitution of the United States and the State of Illinois. Students who transfer in a course equivalent to POS 105 from a United States institution outside of Illinois will be considered as having met only the examination on the Constitution of the United States. That student may meet the requirement of the Illinois Constitution by completing POS 221 at Illinois State, by transferring the equivalent of POS 221 from another accredited Illinois college or university, or by presenting certification of having passed an appropriate examination on the Constitution of the State of Illinois at another accredited Illinois college or university.
9. **University Writing Examination:** Each student graduating under the requirements of the 1984-85 or subsequent Catalogs must demonstrate writing competence by passing the University Writing Examination. The examination should be taken after the completion of 45 semester hours and before the completion of 75 semester hours. At least 15 semester hours must have been completed since the satisfaction of the freshman English requirement. Transfer students with more than 75 semester hours must take the examination before the end of their first term at Illinois State University. A fee will be charged to cover the cost of the examination. In order to take the examination, students must register for English 189.99. Students will be enrolled for the limited number of examination seats available each semester on a first-come, first-served basis. **In order to avoid delaying their graduation, students are strongly advised to register for the examination as soon as they become eligible.**
10. **Correspondence and Extension Hours Limit:** Illinois State does not offer correspondence courses. A student may not present more than 32 hours of extension and correspondence credit from other institutions for graduation, of which not more than 16 hours may be correspondence hours. Illinois State University does not distinguish between on-campus and off-campus courses. Therefore, all hours earned in Illinois State courses apply toward graduation unless specifically noted otherwise.

Catalog Requirements

For a student who attends at least one term of each academic year, graduation requirements are specified in the Catalog for the year he or she entered the University. If attendance is not continuous, a student must meet the requirements specified in the Catalog in effect when he or she reenters the University. If such a student continues in the curriculum chosen originally, the hours earned in meeting the requirements of an old program will apply to the hour requirement of a revised program. In all instances, the University may

adjust graduation requirements to ensure that each graduate of a teacher preparation curriculum meets the course requirements for an Illinois Teaching Certificate.

A student who transfers from an Illinois public community college to this University may choose to meet graduation requirements specified in the Illinois State University *Undergraduate Catalog* in effect at the time the student entered the community college if 1) attendance was not interrupted, and 2) transfer to Illinois State University occurred within nine months of attendance at the community college.

Since University programs are constantly evaluated and improved, a student may graduate under new requirements published while he or she is in attendance at the University. A student who changes to new Catalog requirements, however, must meet all the requirements in the new *Undergraduate Catalog*.

Graduation Procedures

Application for Graduation: During the early part of his or her senior year, the student must submit an *Application for Bachelor's Degree* to the Office of Undergraduate Evaluations. Each student should apply for graduation on or before the date specified in the *Class Registration Directory* and in the University Calendar. The student pays a \$20 graduation fee when applying for graduation, unless the fee is covered by a state scholarship.

Academic Progress Summary: The Academic Progress Summary (APS) is an assessment of the student's academic progress toward completion of requirements for the bachelor's degree.

This Summary may be requested by the student at the Registration Office, Julian Hall 209, Campus Box 2204.

For those programs requiring special audit considerations, a senior evaluation will be prepared after the student has submitted the Application for Bachelor's Degree.

To determine specific program requirements (in addition to the general requirements for graduation stated above), a student should consult the following sections of the Catalog: 1) the University Studies requirements; 2) the specific requirements for the major and minor fields of study; and, if the student seeks teacher certification, 3) the University-wide Teacher Education Program Requirements information provided in the College of Education section of the Catalog.

Commencement: Degrees are conferred and diplomas awarded after the close of each semester and the Summer session. Commencement exercises are held December and May at the end of the semester. Undergraduate students completing degree requirements during the Fall semester participate in commencement exercises in December; students completing degree requirements during the Spring semester or at the close of the Summer session following commencement may participate in commencement exercises in May.

Second Bachelor's Degree

A student who has already received one bachelor's degree from Illinois State University, or from another college or university accredited for baccalaureate degrees by the appropriate regional accrediting association, may receive a second bachelor's degree at Illinois State University. All specified requirements at the time of admission to the program for the second degree must be met, and the program of studies completed for the second degree must include at least 32 semester hours of coursework taken after the granting of the first degree of which 30 hours must be taken in residence at Illinois State. At least 24 of the 32 hours offered toward the second degree must be senior college-level (courses numbered 200 and above).

Proficiency Examinations

Students at Illinois State University may receive University credit by examination through the following programs: CLEP General Examinations, Departmental Proficiency Examinations, CLEP Subject Examinations, and the Advanced Placement Program. Students and prospective students are advised to plan their coursework and examination attempts carefully because they may not receive credit by examination in a course in which they have been enrolled on the tenth day of classes.

CLEP General Examinations: Illinois State University grants credit by examination toward University Studies for the College Level Examination Program under the following guidelines:

1. A student may receive credit for a maximum of 18 semester hours credit through CLEP General Examinations.
2. A student will be awarded 6 semester hours credit toward graduation and University Studies requirements for a score of 570 on the Humanities, a score of 610 on the Natural Sciences, and a score of 550 on the Social Sciences and History general examinations passed. Credit will be awarded as follows:

HUMANITIES

3 hoursFine Arts (Group 6)
and/or 3 hoursLiterature (Group 2)

NATURAL SCIENCES

3 hoursBiological Sciences (Group 3)
and/or 3 hoursPhysical Sciences (Group 3)

SOCIAL SCIENCES AND HISTORY

3 hoursSocial Sciences (Group 5)
and/or 3 hoursHistory (Group 2)

Credit is not available for the English Composition or Mathematics General Examination.

3. A student who desires to take the CLEP General Examinations should do so before enrolling for classes at the University.
4. Credit earned through the CLEP General Examinations shall count toward University Studies and graduation requirements only. A student may not use the CLEP General Examinations to raise grades or remove failures in courses already taken. All credit for CLEP General Examinations shall be considered credit at the 100-level.
5. A student who is awarded credit in one or more areas of the General Examinations should consult with his or her advisor to select other appropriate basic and advanced courses.
6. A student may not receive credit for both an area of the CLEP General Examinations and previously earned course credit of the same area. For example, a student who earned course credit in the Fine Arts (Art, Music, Theatre) may not receive credit for a General Examination in the Fine Arts area. Also, credit will not be awarded for the General Examination areas in which credit is earned through Departmental Proficiency Examinations, Advanced Placement Examinations, or CLEP Subject Examinations.
7. Students may take the CLEP General Examinations at Illinois State at times scheduled by the Office of Measurement and Evaluation or any CLEP Open Test Center. A student may contact the Office of Measurement and Evaluation, 115 Julian Hall, Campus Box 2500, (309) 438-2135, for further information.

A student who takes the CLEP examinations is responsible for the cost of the examination.

Departmental Proficiency Examinations: Departmental Proficiency examinations are provided in most 100-level and a limited number of 200-level courses. The purposes of the examinations are to allow students to receive credit for knowledge acquired previously and to allow students to enroll in more advanced courses or to add breadth to their academic programs. Proficiency examinations are optional and recommended only for students who are unusually skilled in the discipline in which the examination is taken. Specific information about the nature of a given examination should be obtained directly from the appropriate departmental office. Below are University policies and procedures relating to proficiency examinations:

1. The nature and content of each proficiency examination shall be determined by the department in which the course is offered. Standards of performance required for receiving credit in a given course also shall be determined by the department offering the course; the level and quality of work required for satisfactory performance on a proficiency examination is equivalent to that required for a grade of "C" in the course.
2. Academic departments shall provide proficiency examinations in most 100-level courses that are regularly listed in the *Undergraduate Catalog* and the *Class Registration Directory*. Students will find a list of courses in which proficiency examinations are offered in the *Class Registration Directory*.
3. A description of each proficiency examination should be available in the department offering the examination. Students should contact the appropriate department chairperson for information about a specific examination, including qualifying experiences.
4. All Illinois State University students are eligible to take proficiency examinations; however, students who have not completed 12 hours of accredited college or university coursework need written approval of the chairperson of the department in which the course is offered.
5. Letter grades will not be assigned for proficiency examinations; therefore, the GPA will not be affected.
6. Credit earned in proficiency examinations may not be used to raise grades or remove failures in courses in which a student has been enrolled previously.
7. No course credit will be awarded for a proficiency examination which is at a lower level than a course previously enrolled in or one which substantially duplicates the content of a course taken previously.
8. A student may take a proficiency examination only once.
9. A student may register for only one departmental proficiency examination each semester *unless* examinations are approved in writing by the chairs of the departments in which the courses are being offered.
10. Students with disabilities should notify the appropriate departmental office of the need for any special accommodations prior to the date of the examination.
11. A student should register for an examination by returning the completed application form from the *Class Registration Directory* to the Associate Vice President, Instruction, and Dean of Undergraduate Studies, Hovey 308, Campus Box 4000.

CLEP Subject Examinations: In addition to the opportunities provided by the CLEP General Examinations described

above, several departments grant credit by examination in specific subject areas covered by CLEP Subject Examinations. Courses approved for credit under this program are History 101 and 102, Mathematics 145 and 146, Political Science 105 (includes U.S. Constitution only), Psychology 111, and Sociology 106.

The Office of Measurement and Evaluation Service (JH 115), Campus Box 2500, (309) 438-2135 provides information about test dates and fees.

Advanced Placement Program: The Advanced Placement Program is sponsored by the College Entrance Board. The examinations are administered at designated high school testing centers.

A student who has taken Advanced Placement Program examinations should request that his or her scores be sent to the University Registrar at Illinois State University. To request grade reports for Advanced Placement Examinations completed, a student should write to Advanced Placement Exams, Box 6671, Princeton, NJ 08541-6671. In making the request, the student should include name, sex, date of birth, the year in which the examination was taken, and the name

Advanced Placement Program

| Examination | Score for Credit or Exemption | Course for which Credit is Allowed | Semester Hours Awarded |
|--------------------------------|-------------------------------|--|------------------------|
| American Government | 5 or 4 | POS 105 | 3 hours |
| American History | 5, 4, or 3 | HIS 135, 136 | 6 hours |
| Art Studio-General | 5, 4, or 3 | ART 100, 103 | 6 hours |
| Art Studio-Drawing | 5, 4, or 3 | ART 104 | 3 hours |
| Art History | 5, 4, or 3 | ART 150, 155, 156 | 9 hours |
| Biology | 5 or 4 | BSC 196 and 197 | 8 hours |
| | 3 | BSC 196 or 197 | 4 hours |
| Chemistry | 5 or 4 | CHE 140, 141 | 10 hours |
| | 3 | CHE 140 | 5 hours |
| Comparative Politics | 4 or 5 | POS 141 | 3 hours |
| Computer Science Test A | 3 | ACS/COM 140 | 3 hours |
| | 4 or 5 | ACS/COM 140 and ACS/MAT 166 | 6 hours |
| Computer Science Test AB | 5, 4, or 3 | ACS/COM 140 and ACS/MAT 166 | 6 hours |
| English Lang-Comp | 5 | ENG 101, 145 | 6 hours |
| | 4 | ENG 101 | 3 hours |
| English Lang-Comp Literature | 5 | ENG 101, 104 or 105 | 6 hours |
| | 4 | ENG 104, or 105 | 3 hours |
| European History | 5, 4, or 3 | HIS 101 and 102 | 6 hours |
| Latin | 5 or 4 | FOR Latin 116 | 4 hours |
| | 3 | exemption from FOR Latin 116 | No credit |
| French Literature | 5 or 4 | FOR French 221 and 222 | 6 hours |
| | 3 | exemption from FOR French 221 and 222 | No credit |
| French Language | 5 or 4 | FOR French 115 and 116 | 8 hours |
| | 3 | exemption from FOR French 115 and 116 | No credit |
| German Language | 5 or 4 | FOR German 115 and 116; | 8 hours |
| | 3 | exemption from FOR German 115 and 116 | No credit |
| German Literature | 5 or 4 | FOR German 217 and 222; | 6 hours |
| | 3 | exemption from FOR German 221 and 222 | No credit |
| Spanish Language | 5 or 4 | FOR Spanish 115 and 116; | 8 hours |
| | 3 | exemption from FOR Spanish 115 and 116 | No credit |
| Spanish Literature | 5 or 4 | FOR Spanish 221 and 222; | 6 hours |
| | 3 | exemption from FOR Spanish 221 and 222 | No credit |
| Macro Economics | 5 or 4 | ECO 102 | 3 hours |
| Micro Economics | 5 or 4 | ECO 101 | 3 hours |
| Calculus Test BC | 5, 4, or 3 | MAT 145 and 146 | 8 hours |
| | 2 | Dept. review | |
| Calculus Test AB | 5 | MAT 145 and 146 | 8 hours |
| | 4 | MAT 145, 146, Dept. review | 4-8 hours |
| | 3 | MAT 145 | 4 hours |
| Music Listening and Literature | 5, 4, or 3 | MUS 151 | 3 hours |
| Music Theory | 5, 4, or 3 | MUS 100 | 3 hours |
| Physics Test B | 5, 4, or 3 | PHY 108 and 109 | 10 hours |
| Physics Test C, Part I | 5, 4, or 3 | PHY 110 | 5 hours |
| Physics Test C, Part II | 5, 4, or 3 | PHY 111 | 5 hours |
| Psychology | 5 or 4 | PSY 111 | 3 hours |

and identification number of the college to which the grade report should be sent. Illinois State University's identification number is 1319. The College Board currently charges \$8.00 for this service.

Students will be awarded college credit or exemption as indicated.

Special Academic Opportunities

Honors Program

Corner of North Street and Fell, (309) 438-2559

The Honors Program offers highly talented students special opportunities to enhance their educational growth. Close personal attention is provided through specialized advisement, early registration, small honors sections, in-course honors, individualized programs, research, and independent study opportunities.

Incoming freshmen are invited into the Honors Program based on high school rank, ACT or SAT score, and extracurricular activities. Students who demonstrate exceptional academic promise may apply for early admission to the University and to the Honors Program at any time before high school graduation. Students already enrolled in the University and transfer students with a GPA of 3.3 or higher may be admitted to the Honors Program.

Lower Division Honors: The Honors Program offers honors sections in a number of classes in the University Studies Program. Honors sections are designed to promote individual development. They are taught by some of the best faculty; class sizes are small and discussion is encouraged.

Certificate in University Honors: A student may earn the Certificate in University Honors upon completion of 12 hours of honors work including an Honors Colloquium or Undergraduate Research Participation (URP) project. The student must have an "A" or "B" in these courses, have a 3.5 overall GPA, and have completed at least four semesters of work at Illinois State University. The designation is recorded on the student's transcript and a certificate is awarded.

Departmental Honors: Graduates of the Honors Program who successfully complete a sequence of work beyond requirements in their major will have an honors designation included on their transcript and diploma.

Departmental honors are currently offered to students in all undergraduate majors. Students should consult departmental offices or the Honors Office for the specific requirements necessary in each department.

The designation is recorded on the student's transcript and diploma and is awarded at graduation.

University Honors Scholar: Graduates of the Honors Program meeting the following criteria will have the designation *University Honors Scholar* placed on both their transcript and diploma:

- Completion of at least 24 hours of honors work with no grade lower than "B."
- A minimum 3.65 GPA.
- 4 semesters in residence at Illinois State University.
- 2 different honors experiences from the following: a) Honors Colloquia, b) Honors Undergraduate Research Participation (IDS 285), c) Completion of departmental honors, d) Mentorship.

Presidential Scholars: The Presidential Scholars Program is a rigorous curriculum option with a public service component available to a select number of exceptionally able

incoming honors freshmen. Presidential Scholars are selected after a competition which is by invitation only.

Residential Program: Students within the Honors Program who choose to live in Walker Hall may tailor their education to their individual needs through the Faculty Colleague Program and Individualized University Studies. The Faculty Colleague option allows for the greatest flexibility in planning an individual four-year plan of study, in consultation with the Honors Office and a faculty member. The Individualized University Studies option allows a student to tailor most University Studies requirements to individual needs.

Further information about the Honors Program may be obtained by writing the Director of Honors.

Academic Honors

Dean's Lists: Undergraduates who meet high academic standards, as established by the College of their major, are included in a Dean's List issued each semester. Eligible students must complete 12 or more graded semester hours. Courses completed after the official end of the semester and courses taken with a CT/NC option will not be counted for this purpose.

The Dean's List for the Colleges of Applied Science and Technology, Arts and Sciences, Education, and Fine Arts will include those students whose grade point averages place them among the top ten percent of those students majoring within the College. The Dean's List in the College of Business will include only undergraduate students majoring in business who have completed 12 or more semester hours with an overall semester grade point in the top ten percent, and at least 3.33 GPA for all courses taken during the semester. Students whose majors do not place them in one of the five Colleges and whose grade point averages are within the top ten percent of the University are identified on the list of the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

Degrees with Distinction: A student must have completed at least 50 semester hours at Illinois State University to be eligible for a degree with distinction. Students who have an accumulated GPA of 3.90 through 4.00 are graduated *summa cum laude*; those with a GPA of 3.80 through 3.89 are graduated *magna cum laude*; and those with a GPA of 3.65 through 3.79 are graduated *cum laude*.

Students who qualify for these degrees with distinction wear a neck cord as part of their academic gown at Commencement, and their names appear in the Commencement program as being awarded degrees with distinction, and are acknowledged at graduation.

All grades earned at Illinois State University are counted in computing the GPA, except those earned during the Spring or Fall semester, if graduation requirements are completed then. Transcript notations of graduating *cum laude*, *magna cum laude*, and *summa cum laude* are based on the total GPA, including the final semester.

Degrees with Distinction are not awarded to second bachelor's candidates unless the second bachelor's includes at least 50 semester hours at Illinois State University.

Bone Scholars: The designation of Bone Scholar is the highest academic distinction that can be achieved by undergraduate students at Illinois State University. Several students are designated annually as Bone Scholars, in honor of former President Robert G. Bone. Bone Scholars are students who combine superior academic records with full personal development through campus and community activities. Nominations to this honor are made by faculty members, and selection of new Bone Scholars is conducted under the aegis of the Honors Program.

Professional Practice

(Cooperative Education and Internships)

Lower Level, Student Services Building, (309) 438-2200

The nationally recognized Professional Practice Program offers academically qualified students an opportunity to integrate classroom study with one or more terms of paid or unpaid learning experience in a work environment related to the student's academic and career goals. Nearly 4000 organizations in the U.S. and foreign countries have served as learning sites.

Cooperative Education, one form of Professional Practice, is an educational pattern which allows students either alternating or parallel periods of campus study and paid, educationally related work experiences.

Internship, the other form of Professional Practice, is usually unpaid and typically occurs only once during a student's undergraduate career.

Students interested in enrolling in Professional Practice (Cooperative Education or Internship) should contact their department coordinator or the Professional Practice Office in the Career Services Center early in their undergraduate career so that credit-generating work experiences can be arranged well in advance of placement. A maximum of 16 semester hours may be used toward graduation at the undergraduate level.

Undergraduate Teaching Assistants

Undergraduate Teaching Assistantships (UTA) are available in nearly all departments of the University to juniors and seniors who have demonstrated excellence in a particular discipline and high overall scholastic achievement. The purpose of the program is to assist the faculty in the improvement of instruction and to provide UTAs with a valuable learning opportunity.

Undergraduate Research Assistantships (URA) are available in selected departments for students who have demonstrated excellence in a particular discipline with significant potential in research. The purpose of the program is to work closely with faculty members and to provide students valuable opportunities for research.

The responsibilities and nature of the UTA and URA assignments are determined by the departments and colleges. Some departments provide the opportunity for credit to be earned by the UTA under a General Offerings course (291 Seminar: Undergraduate Teaching Assistants). Three hours is the maximum amount of this credit that may be allowed for graduation.

UTA and URA application forms are available in the departmental and college offices.

High Potential Students Program

340 Fell Hall, (309) 438-7641

The High Potential Students (HPS) Program has as its objectives the enrollment and retention of students who, without the academic support services and financial assistance provided by such a program, would have fewer opportunities for successful college experiences.

While the majority of the program's participants are regularly admissible to the University, a small number of special admissions may be made by the program each year. Criteria for admission of students not regularly admissible may include personal interviews, past academic performance, recommendations by school officials, standardized tests, and writing samples. Potential for success is the major determinant for all admissions to the HPS Program.

A variety of academic support services are available for students in the HPS Program, including special courses in English and Mathematics for participants whose backgrounds and test performances indicate the need for such courses. For further information contact the HPS Office.

Minority Professional Opportunities (MPO) Services

340 Fell Hall, (309) 438-7641

MPO is a component of HPS and Student Support Services which is structured to acquaint students with graduate and professional schools and professions traditionally underrepresented by minorities. New freshmen with an ACT score of 20 or higher, or a combined SAT score of 910 or higher, may participate. Continuing students with at least a 3.0 GPA may also participate. Academic, career, and personal advisement, as well as scholarships, special courses, programs, and activities, are offered to MPO participants. Activities may include visits to college campuses, museums, cultural activities, and job fairs. Workshops may include career development, graduate and professional school preparation, and leadership training. The MPO Mentorship Program is designed to pair students with administrators and/or faculty members for one-on-one professional development.

Student Support Services Program

340 Fell Hall, (309) 438-7641

The Student Support Services Program, supported by Illinois State University and the U.S. Department of Education, was developed to improve students' chances for academic success and retention to graduation. Participation is limited to first generation college and/or low-income students.

A variety of academic support services are provided for program participants. In addition, each student participates in an academic orientation program and works with the professional staff to understand University policies, procedures, and expectations.

Students interested in the program may request information from the Student Support Services Program Office.

International Studies and Programs

Fell Hall, Rooms 301-311, (309) 438-5365

The Office of International Studies and Programs provides services for students and faculty, international students, residents of International House, and participants in the National Student Exchange. It also assists academic departments with intercultural programs.

The Office of International Studies and Programs maintains current information on student travel and study abroad and a reference library outlining international opportunities. This Office also serves as a meeting place for students and faculty who are planning or have recently returned from trips abroad.

Study Abroad (311 Fell Hall): In keeping with the tradition of a liberal education, Illinois State strongly encourages qualified students to consider studying in another country. The purpose of study abroad is to enable the student to gain a direct understanding of the intellectual and cultural achievements of another culture. In this way, study abroad may contribute toward intelligent citizenship in the world community. Academic programs for a Summer session, a semester, or a year abroad are available to Illinois State students.

The University operates many study centers abroad. These centers are located in Salzburg, Austria; Bonn, Germany;

Angers, France; Canterbury, Leicester, and Eastbourne, England; Stirling, Scotland; Florence, Italy; Madrid, Spain; Cardiff, Wales; Perth, Western Australia; Nagoya, Nakajo, Kansai, Japan; Uppsala, Sweden; Vladimir, Russia. The programs at these centers are designed to be a continuation and enrichment of a student's regular on-campus academic program. Students who are accepted in these programs remain full-time students at Illinois State, and all courses offered at the centers are part of the Illinois State University curriculum. Thus, students at these centers carry a full academic load for a semester or a year and retain full status as regular students at Illinois State. The major part of the teaching is done by instructors from the host university who lecture in English.

Most of the courses offered abroad meet University Studies or major/minor field requirements. The sophomore and junior years usually offer the greatest curricular flexibility for those who wish to study abroad. Some programs are more suitable for advanced study and therefore more appropriate for seniors. Anyone interested in Study Abroad should consult with advisors in the Office of International Studies and Programs.

Numerous summer opportunities are available for study abroad. Study programs are offered by a wide variety of disciplines including Foreign Languages, Music, Art, English Literature, Agriculture, and Business. Summer Study Abroad programs have, in recent years, taken students to Europe, Russia, Asia, the Near East, and Latin America.

International Student Advising (Fell Hall, Room 308): The Office of International Studies and Programs also provides services to all students who are citizens of other countries.

The international student advisor provides assistance to foreign students who must comply with U.S. Immigration and Naturalization regulations, coordinates campus and community resources and services available to foreign students, and interprets international students' needs and problems to the institution's officials, faculty, students, and community. The advisor assists with admissions, personal and academic problems, financial aid, hospitality, and housing.

All international students enrolling in the University for the first time should contact the Office of International Studies and Programs in Fell 308 as soon as possible following their arrival on campus.

International House: International House is a coeducational residence and academic program center for both American and international students. The purpose of the House is to promote cultural interaction and international understanding through social and educational programs. This setting provides opportunities to develop friendships and to encourage mutual respect among students of diverse backgrounds and cultures.

National Student Exchange

Fell Hall, Rooms 306 and 308, (309) 438-5365

The National Student Exchange was founded in 1968 by Illinois State University along with two other institutions to make possible educational experiences in cultural and geographic settings different from the students' home institutions. Students, preferably sophomores and juniors with a 2.5 cumulative GPA may study for up to one year at any of the colleges and universities listed below. Illinois State University students have the option of paying either Illinois State's tuition or the in-state tuition of the other institutions. Financial aid is applicable to this program. Applications for placement for the following academic year are

available from approximately mid-October to February 1. The exchange of students among institutions is intended to enrich the educational experience of all those involved.

Institutions involved in this exchange are Alabama State University; Boise State University (Idaho); Bowie State University (Maryland); Bowling Green State University (Ohio); California State Polytechnic University, Pomona; California State University, Bakersfield; California State University, Chico; California State University, Dominguez Hills; California State University, Fresno; California State University, Hayward; California State University, Los Angeles; California State University, Northridge; California State University, San Bernardino; California University of Pennsylvania; Central Washington University; Christopher Newport University; College of Charleston (South Carolina); Colorado State University; East Carolina University (North Carolina); East Stroudsburg University of Pennsylvania; Eastern Connecticut State University; Eastern New Mexico University; Eastern Oregon State College; Florida International University; Fort Hays State University (Kansas); Fort Lewis College (Colorado); Georgia State University; Grambling State University (Louisiana); Humboldt State University (California); Hunter College, City University of New York; Illinois State University; Indiana University of Pennsylvania; Indiana University-Purdue University, Fort Wayne; InterAmerican University, Puerto Rico, Louisiana State University, Memphis State University (Tennessee), Montana State University, Moorhead State University (Minnesota), Murray State University (Kentucky), New Mexico State University, North Carolina State University, Northeastern Illinois University, Northern Arizona University, Northern State University (South Dakota), Oklahoma State University; Oregon State University; Portland State University (Oregon); Rhode Island College; Rutgers College, Rutgers University (New Jersey); Sonoma State University (California); South Carolina State University; South Dakota State University; Southern Oregon State College; Southern University (Louisiana); Southwest Missouri State University; SUNY College at Buffalo (New York); SUNY College at Potsdam (New York); SUNY University at Stonybrook (New York); Trenton State College (New Jersey); Universidad del Sagrado Corazon; University of Alabama; University of Alaska Anchorage; University of Alaska Fairbanks; University of Alaska Southeast; University of Delaware; University of Georgia; University of Guam; University of Hawaii at Hilo; University of Hawaii at Manoa; University of Idaho; University of Maine; University of Maine, Farmington; University of Maryland, College Park; University of Massachusetts, Amherst; University of Massachusetts, Boston; University of Minnesota, Twin Cities; University of Missouri-Columbia; University of Missouri-St. Louis; University of Montana; University of Nebraska, Kearney; University of Nevada, Las Vegas; University of Nevada, Reno; University of New Hampshire; University of New Mexico; University of North Carolina, Wilmington; University of Northern Colorado; University of Northern Iowa; University of Oregon; University of Puerto Rico, Cayey; University of Puerto Rico, Humacao; University of Puerto Rico, Mayaguez; University of Puerto Rico, Rio Piedras; University of Rhode Island; University of the Sacred Heart (Puerto Rico); University of South Carolina; University of South Dakota; University of Southern Colorado; University of Southern Maine; University of Texas at El Paso; University of Texas at San Antonio; University of Utah; University of the Virgin Islands; University of Wisconsin-Eau Claire; University of Wisconsin-Green Bay; University of Wisconsin-River Falls; University of Wyoming; Utah State

University; Virginia Commonwealth University; Virginia State University; West Chester University of Pennsylvania; West Virginia University; Western State College of Colorado; Western Washington University; Westfield State College (Massachusetts); William Paterson College of New Jersey; Winthrop University (South Carolina). Others are joining the program each year.

Preparation for Graduate and Professional Study

Requirements for admission to advanced study vary according to the profession as well as among the schools. Thus, a student planning to enter a professional school should seek specific admission information from the school he or she plans to attend. Preparation for admission to a professional or graduate school consists of: (1) a broad educational experience, (2) courses which meet the specific admission requirements of the school the student plans to attend, and (3) major and minor subjects which allow for concentrated study in a field of interest and which provide an alternative career direction if that becomes desirable.

Graduate Study at Illinois State

Students interested in graduate study at Illinois State University should consult the *Graduate Catalog* for admission requirements and programs available. Further information may also be obtained from departmental offices and the Graduate School Office in Hovey Hall. Illinois State offers a comprehensive range of master's degree programs, a Specialist in School Psychology degree and doctoral-level programs in Art Education, Biological Sciences, Curriculum and Instruction, Educational Administration, English, History, Mathematics Education, School Psychology, and Special Education.

Health Professions

Preprofessional programs for health related professional colleges usually imply a major in one of the departments in the College of Arts and Sciences. Majors in Biological Sciences or Chemistry are usually elected because several specific preprofessional course requirements can be applied toward a major in these fields. However, a major in any one of a number of other departments in the College is appropriate for many students who have a specific career goal in mind. Speech Pathology and Audiology, Mathematics, Psychology, Sociology, Physics, Economics, and Foreign Languages are several examples of academic areas which have application to specialties within the health professions.

Minimum admission requirements to colleges of Medicine, Dentistry, and Veterinary Medicine are discussed below. Further information about admission procedures to these and other health related professional colleges can be obtained by contacting Carol Morton Schmidt in the Department of Biological Sciences.

Medicine: Admission policies of individual medical colleges are set forth in *Medical School Admissions Requirements - United States and Canada*. Orders for this book should be addressed to:

Association of American Medical Colleges
2450 N. Street, NW, 3rd Floor
Publications Department
Washington DC 20037-1129
Phone: (202) 828-0549

Specific course requirements of medical schools in the State of Illinois can be met by taking the following courses:

Chemistry 140, 141, 230, 231, 232, 233
Biological Sciences 196, 197
Physics 108, 109
Mathematics 145, 146 are recommended

Other specific course requirements are usually met by completion of the University Studies Program. It should be understood that a careful selection of University Studies and elective courses beyond the specific admission requirements can make the applicant more competitive.

Although a few students are accepted for enrollment in medical college after completion of 90 semester hours, they are distinct exceptions. Most students should anticipate the completion of the requirements for a bachelor's degree with the following approximate timetable:

1. Completion of specific course requirements by the end of the junior year.
2. Medical College Admission Test taken in April of the junior year.
3. Medical College application process begun in August preceding senior year.

Dentistry: Admission policies of individual dental schools are set forth in *Admission Requirements of U.S. and Canadian Dental Schools*. Orders for this book should be addressed to:

American Association of Dental Schools
1625 Massachusetts Avenue, NW
Washington, D.C. 20036
Phone: (202) 667-9433

With the completion of the University Studies Program, the following courses would meet the minimum specific course requirements for Illinois dental schools:

Chemistry 140, 141, 230, 231, 232, 233
Biological Sciences 196, 197
Physics 108, 109

Most students enter dental school after three or four years of preprofessional studies. The minimum requirement for admission to dental schools in the State of Illinois is two years of college, even though most such applicants are unsuccessful. It is therefore advised that students anticipate at least a three-year program with the following timetable:

1. Completion of specific course requirements by the end of the sophomore year.
2. Dental Admission Test taken in April of the sophomore year or October of the junior year.
3. Dental college application process begun in the fall of the junior year.

Veterinary Medicine: Illinois residents find it exceedingly difficult to gain admission to colleges of veterinary medicine outside the state. Students should therefore direct their attentions largely to the admission policies of the University of Illinois College of Veterinary Medicine.

Specific course requirements: three semesters of biology with laboratory including genetics, four semesters of chemistry including organic chemistry and biochemistry, two semesters of physics, one semester of English, four semesters of humanities and social sciences, and one semester of animal science. Some two-year students are accepted, but the majority of successful candidates have three or four years of preprofessional study. The student is therefore advised to plan his program for completion of the requirements for admission to veterinary college by the end of the sophomore year. A four-year program leading to a bachelor's degree should be anticipated in the event that early application to veterinary college is not successful.

Nursing: No major in nursing exists at Illinois State University. Students wishing to pursue the B.S.N. degree may complete the prescribed pre-nursing courses at Illinois State and then seek admission to the Mennonite College of Nursing in Bloomington. Students should apply for the Mennonite program after their freshman year. Admission to the nursing program is competitive. For further information, contact the Academic Advisement Center.

Engineering

Illinois State University shares an Affiliated Engineering program with the University of Illinois. Students begin at Illinois State and transfer to U of I after 90 hours. They receive a B.S. in Engineering from U of I upon completion of their Engineering requirements. They receive a second B.S. in Physics from Illinois State upon transferring back 30 approved hours from U of I. The Affiliated Engineering Program is listed under the Physics Programs section of this Catalog. This five-year program has greater depth than the average Engineering curriculum and provides students with the additional mathematical and scientific foundations needed to participate in the rapidly changing technologies of the future. The first years of this program are also suitable preparation for transfer to most Engineering schools.

Due to the sequential nature of Engineering curricula, it is important that appropriate course selections be made. Interested students should contact Dr. George Skadron in the Illinois State University Department of Physics early in their academic careers for help in planning an appropriate plan of study.

Law

Law schools do not require any specific courses or undergraduate majors. A committee of the Association of American Law Schools has recommended that the pre-law student keep in mind three basic objectives in planning an undergraduate program: education for articulate oral and written expression; education for greater understanding of human institutions and values; education to develop the skills of conceptual analysis. The committee has emphasized the need for a broad, liberal education which develops the student's intellectual interests rather than an education directed too pointedly toward later professional training and practice.

Students planning to apply for admission to Law School should consult the University's pre-law advisor, Mr. Denis Thornton, Department of Political Science, for assistance in selecting appropriate majors and valuable electives, and for information about the Law School Admissions Test.

Social Work

The profession of Social Work recognizes three academic levels of preparation for practice. The first level is that provided by Illinois State University's undergraduate Social Work major. Students completing this major will hold a baccalaureate degree qualifying them for the beginning level of Professional Practice, (see the Comprehensive Major in Social Work). A secondary objective of the Illinois State University Social Work Major is to prepare students for advanced study at the second or graduate-level of preparation. Graduates of this advanced program receive a Master of Social Work (M.S.W.), which is considered a terminal degree in the profession. For those students desiring to teach, to conduct independent research, or to attain administrative positions in the professional field, a growing number of graduate schools offer a third level of preparation which is the Doctor of Social Work (D.S.W.) or Ph.D. in Social Work. Illinois law now includes provisions for licensing individuals with either a bachelor's or master's degree in Social Work.

Students interested in graduate training in Social Work, either immediately upon graduation from Illinois State University or after work experience, are urged to consult the Social Work advisor in the Department of Social Work.

The Illinois State University Social Work Program is accredited by the Council on Social Work Education. This accreditation provides advantages to students seeking employment and graduate education in Social Work.

Teaching

Undergraduate students interested in preparing for teaching careers in the public schools should consult the College of Education section of the Catalog or contact the Office of Clinical Experiences and Certification Processes, 310 DeGarmo Hall, for information about admission to the Teacher Education programs of the University and certification requirements. Students interested in preparing for teaching careers in colleges and universities should consult academic advisors in the discipline in which they plan to teach for information concerning appropriate graduate degree preparation.

Additional University Services

Microcomputer Laboratories

Microcomputers for doing work outside of class and for writing papers are available to students in microcomputer laboratories at various locations on the campus. Students can use IBM, Zenith, or Macintosh computer systems to engage in word-processing, graphics, spread sheets, data base management, and instructional programming. Students can gain access to most laboratories by purchasing one of two types of Compucards: a \$10 Compucard for five hours of microcomputer laboratory access or a \$45 Compucard for unlimited access to microcomputer laboratories each semester.

For many courses it is strongly recommended that students purchase a Compucard in order to have the opportunity to complete assignments in a computer lab outside of class. Registration in some computing-intensive courses will result in students being billed automatically for a Compucard, as indicated in the *Class Registration Directory*. No student will be charged the Compucard fee more than once, and students who have their own personal computer or who have access to appropriate computing resources may be eligible for a waiver of the Compucard fee.

A number of the larger microcomputer facilities are called "open labs" and are available to all students holding a Compucard. Some of the labs are located in the Residence Halls and are restricted to Compucard holders who are residents of a specific housing complex. Many of the Compucard facilities have been connected to ISUnet, the campus network, which provides access to servers, mail systems, and the various national and international computer networks.

Students may obtain information concerning the purchase of a Compucard as well as the location, hardware, software, and other services in the microcomputer labs from the Computer Center, Julian 101.

Open labs are in:

- Milner Library (Macintosh/PC)
- Media Center (Macintosh)
- Julian 217 (Macintosh/PC) (open 24 hours/day, Sunday-Friday)
- Stevenson 250 (Macintosh/PC; evenings and weekends)

Micro computer labs available for students in specific academic departments are located in:

Moulton 108 for students in Health Sciences
 Stevenson 408 (Macintosh)
 Stevenson 107, 125, 128, 139 for students in
 Applied Computer Science
 Turner 202 for students in the
 College of Applied Science and Technology
 Williams Basement for students in the
 College of Business

Microcomputer labs for students in the residence halls are located in:

| | |
|-----------------|------------------|
| Atkin Hall | Watterson Towers |
| Manchester Hall | Walker Hall |

Other labs are associated with academic departments, and access may be restricted to times when the facility is not being used for classes or to students enrolled in specific computer-intensive courses.

Instructional Technology Services

Instructional Technology Development Center,
 (309) 438-3694

Instructional Technology Services (ITS) assists faculty and students in attaining instructional and educational goals by offering many opportunities to incorporate media into classroom and other instructional situations. The service and production units of Instructional Technology Services are described below:

Instructional Technology Development: The Instructional Technology Development Service includes support for enhanced classroom presentation, for multimedia and interactive projects, and for other applications of technology. The instructional developer coordinates development teams which can include, in addition to the faculty member(s), graphic designers, audio and video producers, programmers, classroom technology specialists, and others.

Instructional System Services (ISS), located in the General Services Building, is responsible for a variety of academic support services. ISS provides audiovisual equipment for on-campus use through its main office and six satellite centers. The audiovisual technicians at ISS will provide training in the use of audiovisual equipment and systems. In addition, ISS supports campus cable, teleconferencing, audiovisual and office equipment repair, alarm installation, and design and installation of high technology classroom systems. The division is also available for consultation on the purchase, installation, and type of classroom equipment to be used by the University community.

Graphic Production: Assistance is provided to faculty and staff for planning, developing, and producing graphic materials for instruction, training, exhibits, research, and other academic needs.

MediaLab: The MediaLab offers a wide variety of services for faculty and students to use in their preparation of teaching materials and in training for operation of media equipment. A computer lab emphasizes integration of text and graphics on Macintosh hardware and software.

Television/Audio Production: Audiotape and videotape production and duplication capabilities are also available for faculty and administrative units. Production services include planning and writing services, studio and location recording, videotape and audiotape editing, narration, multi-image, and slide-synchronization. A closed-circuit television cable system offers videotape playback for viewing by students and faculty in more than 35 classroom buildings and residence halls. "Telelink" coordination for on-campus teleconferencing is also provided by ITS through Television/Audio Production.

University Galleries and Museums

(309) 438-8800

Founded in 1973, University Galleries is among the largest public exhibition spaces in downstate Illinois devoted to presenting a wide survey of contemporary art. University Galleries is a unit of the College of Fine Arts and is located in the Center for the Visual Arts building. The main focus is generating traveling innovative exhibitions featuring locally, regionally, and nationally known artists working in a variety of mediums, styles and conceptual approaches. Regularly scheduled exhibitions include Illinois State University faculty, student, and alumni artwork, as well as selections from permanent collections of over 2,000 twentieth-century paintings, drawings, prints, sculptures, photographs, and objects in glass, metals, wood, fiber, and ceramic. University Galleries publishes illustrated catalogs that are distributed worldwide, and are available at a discount to all students, staff, and faculty.

In addition to exhibitions, University Galleries presents extensive educational programs open to the University and general community, including artist lectures, panel discussions, workshops, films and video, guided tours, research and study facilities, informational brochures, classes, and internships. The facilities are also used to host meetings, dance and music events, plays, performances, lectures, readings, and films for a variety of University and community groups.

The Eyestone School Museum, a renovated 1900 one-room school is located at Adelaide and College Streets.

The Stevenson Memorial Room, on the first floor of Stevenson Hall, displays memorabilia of the Stevenson family with particular emphasis on Adlai E. Stevenson II.

The President's Gallery, located on the fourth floor of Hovey Hall, features a rotating series of exhibitions highlighting the University's art collections.

Planetarium

Corner of School St. and College Ave., (309) 438-2496

The Illinois State University Planetarium is administered by the Department of Physics and is located at the east end of Felmley Hall. This celestial theatre-in-the-round provides a unique environment that is used by astronomy and other University classes. Primary and secondary school students can select from a variety of programs or have special programs tailor-made to suit their specific interests. In addition, regular public shows are scheduled providing a popular form of enriching entertainment. The 30-foot domed structure seats 110 individuals and houses a Spitz A-3P star projector. The Star Projector and various other multi-media effects are used to recreate the wonders of the universe.

Admission to regular planetarium programs is \$1.00 for all Illinois State University faculty, staff, and students presenting an identification card. Admission for the general public is \$1.00 per child (ages 5 through 12) and \$1.50 per adult. Preschoolers are admitted free of charge to all programs. For further information contact Carl J. Wenning, Planetarium Director, at 438-2496 for current program schedule.

University Research Office

310 Hovey Hall, (309) 438-2528

The University Research Office (URO) is the coordinating center for faculty, staff, and students who engage in activities financially supported from federal, state, or private sources to conduct research, training, or public service activities. Projects supported from external sources constitute an important part of the University's academic programs of instruction,

research, and public service. URO serves to facilitate these programs and is the liaison designate between Illinois State University and the sponsoring agencies. It has signature authority for grants and contracts. The Office functions to facilitate the processing and submission of grant and contract proposals, the post award administrative management of funded programs, and to facilitate compliance with state and federal regulations pertaining to sponsored activities.

Institutional Advancement

401 Hovey Hall, (309) 438-7681

Alumni Services: The Alumni Services Office, located in Bone Student Center, offers activities and services to all Illinois State University alumni. Alumni are given the opportunity to stay involved with the University through events and programs such as Homecoming and other special campus events. Services provided to alumni include group insurance opportunities, Illinois State credit cards (VISA and MasterCard), and travel programs.

Illinois State University keeps in contact with alumni locally, nationally, and internationally through Illinois State Alumni Chapters which feature a variety of informative and entertaining programs. Communication is maintained with alumni through mailings of *Alumni Today*. Additional mailings are sent to announce special events and activities.

The Alumni Services Office serves as the campus headquarters for alumni. Official records of the growing number of alumni, which now exceeds 100,000, are maintained in a comprehensive data base. All graduates of Illinois State University are represented by the Alumni Association Board of Directors.

Alumni have the opportunity to participate in the Alumni Plus Program. For a small annual fee, special discounts and other benefits are provided to members joining Alumni Plus.

Current students have the opportunity to become involved through the Student Alumni Council, a registered student organization. SAC is open to all undergraduates and serves to link Illinois State University's past, present, and future. Members of the organization are active in many campus events and help to promote the University.

Development Office: The Development Office Director and major gifts staff are located in 401 Hovey Hall, and the Research, Gifts Processing and Information Systems staff are located in Rambo House. The Office of Development is responsible for coordinating long-range programs to encourage private giving from the broad range of the University's constituencies, i.e. alumni, parents, students, faculty and staff, friends, and corporations and foundations. The financial support generated through private giving provides the margin of excellence for Illinois State by providing the resources for scholarships, student loans, research grants; purchasing specialized equipment; assisting departmental programming; establishing endowments; and supporting a variety of educational projects and programs.

Illinois State University Foundation: The Illinois State University Foundation is a not-for-profit corporation chartered by the State of Illinois for the sole purpose of soliciting, receiving, holding, investing, and administering gifts, grants, real property, historical papers, collections, and other materials which support and enhance educational opportunities at Illinois State University.

The Foundation encourages prospective donors to make unrestricted gifts. Unrestricted gifts enable the University to achieve a higher level of quality because the resources can

be distributed where the need is greatest. However, gifts and grants may be designated to support specific colleges, departments, and educational programs.

Bequests, charitable remainder trusts, and other planned and deferred gifts are also processed through the Foundation. Policies for the Illinois State University Foundation are overseen by an elected Board of Directors, comprised of alumni and friends of the University.

All gifts made to the Illinois State University Foundation are tax deductible as provided by law. Further information about the Foundation may be obtained by writing the Office of Development.

Publications, Printing and Creative Services: Faculty/staff services include writing/editing, graphic design and production, typesetting, photography, printing (in-house at Printing Services or at the two rapid print centers in DeGarmo Hall and Hovey Hall), promotional video production, and administering the copy machine program for the University. PPCS consults with requesting University units regarding their communication needs, and works toward meeting these marketing needs while maintaining a quality project that best represents both unit and University through an established program of editorial and graphic standards.

News Service: The News Service, located in 401 Hovey Hall, is responsible for planning and implementing a communications program to enhance public awareness of Illinois State University. The Office is responsible for public information, media relations and emergency public relations. The Office publishes *Report*, a weekly faculty-staff newsletter, and contributes editorial support for *Illinois State Scholar*, a research and scholarship magazine, and *The Illinois State Community*, a University newspaper for Central Illinois. The staff also distributes hundreds of news releases each year about University events and accomplishments to appropriate media.

All inquiries to News Service from media representatives and reporters should be directed to News Service Office, (309) 438-5631 for coordination with the appropriate University spokesperson(s).

University Licensing Office: The University Licensing Office is responsible for the management of the University's intellectual property: patents, copyrights and trademarks. The mission of the Licensing Office is to secure protection for the University's various intellectual properties, promote the image and identity of the institution by granting licenses to use the properties, and generate revenue from royalties paid by those who license the properties.

WGLT: Located at 310 Media Center, (309) 438-2255, WGLT (89.1 FM) is a full-service public radio station licensed to Illinois State University and serving audiences in Central Illinois. An affiliate of National Public Radio, WGLT's music is primarily jazz and blues. WGLT also includes coverage of local news and issues, as well as broadcasts of area concerts and recitals. WGLT produces many programs and interviews which feature Illinois State University faculty, staff and administrators.

UNIVERSITY STUDIES PROGRAM

The University Studies Program provides a core of fundamental knowledge, skill, and understanding. The content of University Studies courses is important to the educated lay person rather than to the specialist in the field, although this does not mean that all courses in the program are introductory or non-technical in nature. The program is designed to meet each of the following goals:

- to provide personal enrichment.
- to offer a systematic design for further learning.
- to be broad in scope rather than focused on a narrow portion of a discipline.
- to reflect major values and ideas and to offer the opportunity to examine such values and ideas.
- to assure a breadth of knowledge and an understanding of the basic processes of disciplined inquiry that society might reasonably expect from a college graduate.

Due to the limited number of hours required in each group, a student may have only one exposure to a discipline or area. For this reason, care should be taken to select courses that will ensure breadth within as well as across disciplines and areas of study.

General Requirements

Each student seeking a bachelor's degree must satisfy the requirements of the University Studies Program. A transfer student who has completed an associate degree based on a baccalaureate-oriented sequence who is admitted to the University from a public community college or other community college participating in the compact with Illinois State University in Illinois shall be considered to have attained junior standing and to have met his or her University Studies requirements. All other students must meet the minimum requirements for each group in the program—a total of 48 hours exclusive of courses in a student's major department. Some students may wish to complete the requirements through the Individual University Studies Program described below. The Proficiency and Placement Examinations section of this Catalog describes how a student may meet some of the University Studies requirements through the College Level Examination Program (CLEP) and other proficiency examinations.

Other Special Considerations

General Students: Students who are pursuing a baccalaureate degree but have not yet declared a major are advised that when they do identify a major, courses in their major department do not count toward the University Studies requirements.

Change of Major: Students who change majors should pay particular attention to the policy regarding the exclusion of courses for University Studies from a major department.

Double Majors: The exclusion of courses from a major department applies only to the declared or first major—not to the second or undeclared major.

Minors: Any University Studies course may be used to meet the requirements of a minor.

Social Sciences Major: University Studies courses may be used to meet the major requirements for students who are pursuing a Social Sciences major.

International Studies: Credit in University Studies may be earned through the Study Abroad Program. Information is available from the Director of International Studies.

University Studies Groups

Group 1: Communication Studies (9 hrs): Study related to the collection, preparation, and presentation of ideas and information directed toward achieving personal skill in written and oral communication. English 101 is required. *Beginning freshmen should complete English 101 within their first 30 semester hours at Illinois State University. Transfer students who have not completed English 101 or its equivalent should complete English 101 within their first 15 semester hours at Illinois State.*

Communication

- 110 Fundamentals of Speech Communication
- 123 Interpersonal Communication
- 125 Argumentation
- 223 Small Group Processes

English

- 101 Language and Composition I (Required of all students)
- 141 Human Language
- 145 Language and Composition II

Foreign Languages

- 111 First-Year Arabic (Part I)
- 112 First-Year Arabic (Part II)
- 111 First-Year Chinese (Part I)
- 112 First-Year Chinese (Part II)
- 111 First-Year French (Part I)
- 112 First-Year French (Part II)
- 111 First-Year German (Part I)
- 112 First-Year German (Part II)
- 111 First-Year Classical Greek (Part I)
- 112 First-Year Classical Greek (Part II)
- 111 First-Year Italian (Part I)
- 112 First-Year Italian (Part II)
- 111 First-Year Japanese (Part I)
- 112 First-Year Japanese (Part II)
- 111 First-Year Latin (Part I)
- 112 First-Year Latin (Part II)
- 111 First-Year Russian (Part I)
- 112 First-Year Russian (Part II)
- 111 First-Year Spanish (Part I)
- 112 First-Year Spanish (Part II)
- 115 Second-Year French (Part I)
- 116 Second-Year French (Part II)
- 115 Second-Year German (Part I)
- 116 Second-Year German (Part II)
- 115 Second-Year Italian (Part I)
- 115 Second Year Latin (Part I)
- 116 Second Year Latin (Part II)
- 115 Second-Year Russian (Part I)
- 116 Second-Year Russian (Part II)
- 115 Second-Year Spanish (Part I)
- 116 Second-Year Spanish (Part II)

Group 2: Humanistic Studies (9 hrs): Study of History (the study of past events, especially those concerned with particular nations, periods, and individuals), Literature (the

study of native and foreign culture through the exploration of the literature of that culture), and Philosophy (the study of values, ethics, and general principles which provide rational explanations) directed toward acquiring basic knowledge in the humanities. Courses must be selected from at least two departments.

English

- 104 Introduction to Literature-Poetry and Drama
- 105 Introduction to Literature-Prose Fiction
- 106 Introduction to Literature-Literary Themes and Topics
- 107 Literature and Film
- 110 Masterpieces of English Literature
- 122 Introduction to Shakespeare
- 130 Masterpieces of American Literature
- 150 Masterpieces of World Literature: to 1350
- 160 Women in Literature
- 165 African American Literature
- 250 Literature of The Bible I
- 251 Literature of The Bible II

Foreign Languages

- 105 Classical Mythology
- 110 Russian Civilization
- 216 German Drama
- 221 Survey of French Literature I
- 221 Survey of Spanish Literature I
- 222 Survey of French Literature II
- 222 Survey of Spanish Literature II
- 242 Survey of Spanish-American Literature
- 285 Selected Topics in Russian Literature

History

- 101 Western Civilization to 1500
- 102 Modern Western Civilization
- 135 History of the United States to 1865
- 136 History of the United States since 1865
- 137 The American Experience
- 220 Ancient History: Greece
- 221 Ancient History: Rome
- 228 Europe in the Nineteenth Century: 1815-1914
- 235 French History to the Revolution
- 250 History of Women in America

Philosophy

- 101 Basic Issues in Philosophy
- 120 Philosophy of Religion
- 138 Moral and Social Values
- 232 Ethics
- 240 Political Philosophy
- 254 Ancient and Medieval Philosophy
- 255 Modern Philosophy

Theatre

- 151 History of the Theatre in Western Culture

Group 3: Natural Science Studies (6 hrs): Study of Biological Sciences (the study of life and living matter in all forms, especially with regard to the origin, growth, reproduction, and structure of life forms) and the Physical Sciences (the study of structure, properties, origin, and energy relations of matter apart from the phenomena of life) directed toward an understanding of and an ability to apply the scientific method to natural phenomena.

Biological Sciences

- 100 Introduction to Biological Sciences
- 160 Introductory Microbiology
- 170 Genetics and Society
- 181 Human Physiology and Anatomy I

- 182 Human Physiology and Anatomy II
- 185 Introduction to Evolution
- 196 Biological Diversity
- 197 Molecular and Cellular Basis of Life
- 199 Animal Behavior

Chemistry

- 102 Chemistry and Society
- 104 Chemistry of Life
- 110 Fundamentals of Chemistry
- 112 Fundamental Chemistry Laboratory
- 140 General Chemistry I
- 141 General Chemistry II

Geography-Geology

- 100 Earth Science
- 105 Introduction to Geology I
- 107 Introduction to Geology II
- 110 Weather
- 195 Introduction to Oceanography
- 275 Life of the Geologic Past

Physics

- 100 Energy and Environment
- 101 Exploring the Universe
- 105 Fundamentals of Physics
- 106 Concepts in Contemporary Physics
- 108 College Physics I
- 109 College Physics II
- 110 Physics for Science and Engineering I
- 111 Physics for Science and Engineering II

Sociology-Anthropology

- 182 Introduction to Physical Anthropology

Group 4: Quantitative and Logical Studies (3 hrs): Study of Mathematics (the study of numbers and space configurations and their operations, measurement, and the relationships in both the abstract form of pure mathematics and the practical form of applied mathematics), Computer Science (the study and understanding of the logical organization and transformation of information directed toward the development of the problem-solving skills necessary in a computer environment), and Logic (study of principles of valid reasoning and correct inference) directed toward the understanding of basic computational skills and the ability to think logically.

Applied Computer Science

- 164 Introduction to FORTRAN Programming
- 166 Scientific Pascal
- 168 Structured Problem Solving and the Computer

Mathematics

- 105 Elementary Applications of Mathematics
- 120 Finite Mathematics for Business and Social Sciences
- 121 Introduction to Calculus for Business and Social Sciences
- 145 Calculus I
- 146 Calculus II
- 151 Structure of Number Systems I
- 164 Introduction to FORTRAN Programming
- 166 Scientific Pascal
- 210 Symbolic Logic I

Philosophy

- 110 Thinking Logically
- 210 Symbolic Logic I

Group 5: Social Science and Psychological Studies (9 hrs):

Study of the Social Sciences of Anthropology, Economics, Human Geography, Political Science, and Sociology (the study of aspects of past and present activities, conduct, interactions, and organizations of humans) and the study of Psychology (the study of mental phenomena, especially those associated with behavior and problems of adjustment to the environment) directed toward an understanding of and an ability to apply the scientific method to human activity. Courses must be selected from at least two departments.

Agriculture

- 110 Introductory Agricultural Economics

Economics

- 101 Principles of Microeconomics
- 102 Principles of Macroeconomics

Geography-Geology

- 135 World Geography
- 150 Economic Geography
- 205 Conservation of Natural Resources

Political Science

- 105 American Government and Politics
- 141 Comparative European Governments
- 151 Introduction to International Relations
- 232 Politics and Public Policy
- 254 Global Issues

Psychology

- 111 General Psychology
- 112 Developmental Psychology of the Life Span
- 131 Social Psychology
- 232 Personality

Sociology-Anthropology

- 106 Introduction to Sociology
- 107 Social Problems
- 131 Social Psychology
- 180 Introduction to Cultural Anthropology
- 261 The Community
- 267 Population
- 268 Sociology of Religion

Group 6: Aesthetic Studies (3 hrs): Study of the Fine and Applied Arts having to do with the creation and application of diverse modes of communication, ideas, and emotions by means of visual and nonvisual representations and symbols toward developing aesthetic understanding and appreciation.

Art

- 100 Introductory Art Workshop
- 150 Art Appreciation
- 155 Survey of Art I
- 156 Survey of Art II
- 250 Arts and the Modern World
- 257 Survey of Art III

Health, Physical Education, Recreation, and Dance

- 122 Modern Dance I
- 122.02 Modern Dance II
- 123 Ballet I
- 123.02 Ballet II
- 124 Jazz Dance I
- 124.02 Jazz Dance II
- 125 Tap Dance I
- 125.02 Tap Dance II

Music

- 100 Introduction to Music Theory
- 151 Pleasures of Music
- 153 Black Music I
- 250 Arts and the Modern World

Theatre

- 150 Introduction to the Theatre
- 170 Introduction to Film Art
- 250 Arts and the Modern World

Group 7: Contemporary Life Studies (6 hrs): Study of the Applied Arts of Agriculture (the production of food and the management of natural fiber plant and animal resources), Business and Management (organization, operation, administration, and control of private and public organizations), Criminal Justice Sciences (the study of the criminal justice system), Education (instruction and training within and outside educational organizations), Health and Physical Education (maintenance and restoration of physical and mental health), Home Economics (the study of the reciprocal relations of family to its natural and man-made resources and environments), Technology (practical application of basic scientific knowledge to the design, production, and operation of systems for human control of the natural environment), and other appropriate applied studies directed toward development and understanding of the use of liberal studies in applied areas in order to deal creatively and realistically with personal, community, national, and international concerns.

Agriculture

- 120 Introductory Horticulture
- 150 Introduction to Plant Science
- 170 Introduction to Animal Science

Applied Computer Science

- 140 Introduction to the Computer World
- 150 Using Microcomputers Productivity Tools
- 155 Introduction to Microcomputers

Biological Sciences

- 145 Human Biology
- 202 Human Ecology

Business Education and Administrative Services

- 100 Business and its Environment
- 125 Applications of Office Technology

Criminal Justice Sciences

- 101 Introduction to Criminal Justice Sciences

Curriculum and Instruction

- 110 Introduction to Multicultural Education

Finance, Insurance and Law

- 140 Personal Finance
- 208 Legal Environment of Business

Health, Physical Education, Recreation, and Dance

- 113 Personal Fitness
- 180 First Aid

Health Sciences

- 100 Introduction to the Health Community
- 155 Man and Environment: A Health Perspective
- 171 Principles of Accident Prevention
- 194 Healthful Family Living
- 196 Drugs in Lifestyles

Home Economics

- 106 Nutrition
- 131 Courtship and Marriage
- 132 Home Management in Contemporary Life

Industrial Technology

- 208 Perspectives in Technology

Interdisciplinary Studies

- 120 Introduction to Women's Studies

Philosophy

- 234 Business Ethics

Psychology

- 123 Human Sexuality

Social Work

- 170 Survey of Social Work and Social Welfare

Sociology-Anthropology

- 123 Human Sexuality

Speech Pathology and Audiology

- 115 Introduction to Human Verbal Development

Group 8: Non-Western Cultures and Traditions (3 hrs): Study of some aspect of a culture other than one's own directed not only toward a better understanding of the cultural complexity of a shrinking and increasingly interdependent world but also toward gaining a new perspective of Western culture. (Courses in this group must be concerned with the cultures and traditions of one or more of the following geographic areas: Africa and neighboring islands [not in the Mediterranean Sea]; Caribbean Islands with non-Western cultures; Central America; China, Mongolia, Japan, Korea [East Asia], Taiwan; India, Pakistan, and neighboring countries; Mexico; Middle East; Pacific Islands [U.S. Administration]; Philippines and islands of Indonesia; Pre-contact cultures of Americas, Australia, or New Zealand; South America; Southeastern Asia [Burma, Kampuchea, Laos, Thailand, Vietnam, and others]).

Agriculture

- 100 Agriculture of Developing Countries

Art

- 120 Oriental Art

Business Education and Administrative Services

- 345 Business in a Multicultural Environment

English

- 156 Introduction to East Asian Literature

Geography-Geology

- 230 Latin America
250 Africa
255 Asia

History

- 125 History of East Asian Civilization
126 Histories and Cultures of the Middle East
127 History of Latin America
128 Introduction to African History
263 Modern Mexico
265 African Civilization
266 Modern Africa
271 Islamic Civilization
275 History of Japanese Civilization

Music

- 156 Music in World Cultures

Philosophy

- 207 Indian Philosophy
208 Buddhist Philosophy

Political Science

- 145 Introduction to Non-Western Politics
246 African Politics
247 Politics of the Middle East

Sociology-Anthropology

- 184 Cultures of the World
272 North American Indians
284 The Anthropology of Native American Art

Theatre

- 271 Survey of Non-Western Film

Individualized University Studies Program

Students who wish to pursue the Individualized University Studies (IUS) Program must apply for and be admitted to the program. The application must include a statement outlining General Education objectives that cannot be met under the regular University Studies Program. The Plan of Study should constitute a coherent program of University Studies that should meet or exceed the goals of the regular program. In developing the individual plan, the student and the advisor should review all previous educational experiences of the student (not just college courses) to assure that either prior experience or the projected plan provides a distribution of coursework that matches the minimum hour requirements in each University Studies group. Courses are not limited to those approved for the regular University Studies Program; however, all courses selected must be General Education courses as opposed to vocational or professional courses. Program requirements are as follows:

1. Applications will be accepted only from students who have completed fewer than 25 semester hours of undergraduate coursework. Applications should be forwarded to the Director of Honors and must be signed by an advisor in the Office of Academic Advisement, the Honors Office, or a faculty member from the student's major department indicating that he or she agrees to the Plan of Study and will serve as the student's IUS advisor until the plan has been completed.
2. The Plan of Study must include a minimum of 48 semester hours, exclusive of courses taken in the student's major department. Projected courses in the Plan of Study are subject to later modification only with advance approval of the student's advisor. The Director of Honors should be informed in writing of all changes in the original Plan of Study.
3. It is the student's responsibility to ensure that all prerequisites or requirements for majors are met whether or not the courses are included in the IUS Plan of Study.
4. Students in Teacher Education programs need to plan their IUS Program to meet state certification requirements. Please confer with personnel in the Office of Clinical Experiences and Certification Processes regarding current requirements for Teacher Education students.
5. Questions about the program should be directed to the Director of Honors.



UNIVERSITY-WIDE PROGRAMS AND COURSES

Fields of Study and Degrees Available

The University offers a wide range of academic programs from bachelor's degrees through master's and doctoral degrees. Programs and degrees are available in the following fields of study:

Accounting: B.S., M.S.
 Administrative Systems and Office Technology: B.S.
 Agribusiness: B.S., M.S.
 Agriculture: B.S.
 Anthropology: B.A., B.S.
 Applied Computer Science: B.S., M.S.
 Art: B.A., B.S., B.F.A., M.A., M.S., M.F.A.
 Art Education: Ed.D.
 Arts and Sciences: (See General Studies Major)
 Biological Sciences: B.A., B.S., M.S., Ph.D.
 Business Administration: B.S., M.B.A.
 Business Education: B.A., B.S., B.S.Ed.
 Chemistry: B.S., M.S.
 Cinema Studies: (undergraduate minor).
 Clinical Laboratory Science: B.S.
 Communication: M.A., M.S.
 Community Health: (undergraduate minor).
 Consumer Education: (undergraduate minor).
 Counselor Education: M.A., M.S., M.S.Ed.
 Criminal Justice Sciences: B.A., B.S., M.A., M.S.
 Curriculum and Instruction: M.A., M.S., M.S.Ed., Ed.D.
 Early Childhood Education: B.A., B.S., B.S.Ed.
 Economics: B.A., B.S., M.A., M.S.
 Educational Administration: M.A., M.S., M.S.Ed., C.A.S., Ed.D., Ph.D.
 Elementary Education: B.A., B.S., B.S.Ed.
 English: B.A., B.S., M.A., M.S., D.A.
 Environmental Health: B.S.
 Ethnic and Cultural Studies: (undergraduate minor).
 Finance: B.S.
 Foreign Languages: M.A. and undergraduate majors in French, German, Russian Studies, and Spanish.
 French: B.A.
 General Studies: B.A., B.S.
 Geography: B.A., B.S.
 Geohydrology: M.S.
 Geology: B.A., B.S.
 German: B.A.
 Gerontology: (undergraduate minor).
 Health and Physical Education: M.A., M.S.
 Health Education: B.A., B.S., B.S.Ed.
 Health Information Management: B.S.
 History: B.A., B.S., M.A., M.S., D.A.
 Home Economics: B.A., B.S., M.A., M.S.
 Industrial Technology: B.S., M.S.
 Instructional Media: (undergraduate minor).
 International Business: B.A., B.S.
 Japanese Studies: (undergraduate minor).
 Journalism Teacher Education: (undergraduate minor).
 Junior High/Middle School Education: B.A., B.S., B.S.Ed.
 Latin: (undergraduate minor).
 Latin American Studies: (undergraduate minor).

Legal Studies: (undergraduate minor).
 Management: B.S.
 Marketing: B.S.
 Mass Communication: B.A., B.S.
 Mathematics: B.A., B.S., M.A., M.S.
 Mathematics Education: Ph.D.
 Military Science: (undergraduate minor).
 Music: B.A., B.S., M.M., M.M.Ed.
 Music Education: B.M.E.
 Music Performance: B.M.
 Philosophy: B.A., B.S.
 Physical Education: B.A., B.S., B.S.Ed.
 Physics: B.S.
 Political Science: B.A., B.S., M.A., M.S.
 Psychology: B.A., B.S., M.A., M.S.
 Public Relations: B.A., B.S.
 Reading: M.S.Ed. and undergraduate minor.
 Recreation and Park Administration: B.S.
 Religious Studies: (undergraduate minor).
 Russian: (undergraduate minor).
 Russian Studies: B.A.
 Safety: B.S.
 School Psychology: S.S.P., Ph.D.
 Social Sciences: B.A., B.S.
 Social Work: B.A., B.S.
 Sociology: B.A., B.S., M.A., M.S.
 Spanish: B.A.
 Special Education: B.A., B.S., B.S.Ed., M.A., M.S., M.S.Ed., Ed.D.
 Speech Communication: B.A., B.S.
 Speech Pathology-Audiology: B.A., B.S., M.A., M.S.
 Teaching English to Speakers of Other Languages: (undergraduate minor).
 Theatre: B.A., B.S., M.A., M.S., M.F.A.
 Women's Studies: (undergraduate minor).
 Writing: M.A., M.S., and undergraduate minor.

Program and Course Explanations

Units of Instruction

Major: A cohesive combination of courses, including introductory, intermediate, and advanced coursework, that designates a student's primary area of specialization. Majors are designated on University transcripts. The offering of new majors requires approval by the Board of Regents and the Board of Higher Education.

Sequence: A subdivision of a major in which there are specific requirements. Sequences of the same major generally share a common core within a major. Sequences are designated on University transcripts. New sequences require approval of the Board of Regents and when approved are generally considered to be reasonable and moderate extensions of present curricular authorizations by the Board of Higher Education.

Concentration: A subdivision of a major without specific requirements that is provided for advisement only. Concentrations are not designated on University transcripts. All informal curricular recommendations made by departments

(such as emphases, tracks, areas of study, specializations, etc.) should be entitled concentrations. Concentrations are advisory only and do not appear on University transcripts; no approval process is required.

Minor: A combination of courses designed to provide a cohesive introduction to an area of study beyond the major. Minors are designated on University transcripts. New minors require approval by the Board of Regents and when approved are generally considered reasonable and moderate extensions of current curricular authority by the Board of Higher Education.

Course Offerings

Seminar: A regular meeting of students, under the guidance of a faculty member, in which each conducts research and exchanges information, problems, and results through informal lectures, reports, and discussion.

Independent Study: Intensive study in a special area of the student's interest under the direction of a qualified member of the faculty. Each individual investigation is to culminate in a comprehensive written report and/or examination and/or artistic project.

Topics Course: An organization of subject matter and related learning experiences composed of identifiable subdivisions of topics. Each topic is of sufficient significance to be treated separately as a unit of instruction for an entire semester or term. The content of the course varies by semester.

Temporary Course: Temporary courses are approved by the curricular committees for a time period not to exceed three years. Temporary courses often are used to experiment with a new curricular design, to take advantage of the skills of a faculty member who will be at the University for a limited period, or to respond to particular interests of students. Temporary courses are designated by the numbers 189, 289, 389, 489, and 589.

Workshop: Intensive and applied work on special problems in one or more subject areas. Workshop opportunities are provided on special problems not covered in any regular University courses. Workshops are designated by the numbers 193, 293, 393, 429, and 493.

Institute: Federal- and state-sponsored (or similar) short-term programs requiring treatment of subject matter of a special nature, often for special groups. Institutes are designated by the number 397.

Professional Practice: Professional Practice consists of one or more credit-generating, academic/career related, salaried or non-salaried work experiences. Professional Practice workites are located on the Illinois State University campus and with business, industry, government, and other agencies and organizations outside the University. Professional Practice courses are designated by the numbers 198, 298, 398, 498, and 598.

Course Information

The University operates on the semester plan. The credit value of all courses is stated in terms of semester hours. Ordinarily, a semester hour is assigned for a 50-minute class meeting per week for the semester; therefore, a course valued at three semester hours generally meets three periods weekly. In laboratory courses, at least two 50-minute periods per week are ordinarily required for each semester hour of credit.

Course Availability: Some courses listed in this Catalog may not be available each year. Students should consult the *Class Registration Directory* for class availability. Questions concerning scheduling of courses should be referred to the department chairperson.

Course Levels: Each course bears a distinguishing number for identification and indication of its academic level. The numbering system is as follows:

Course Levels

- 100-199 Lower-division undergraduate courses, primarily for freshmen and sophomores.
- 200-299 Upper-division undergraduate courses, primarily for juniors and seniors. A student normally should have completed at least 45 semester hours before enrolling in a course at this level.
- 300-399 Advanced undergraduate courses. Open to juniors, seniors, and graduate students. A student normally should have completed at least 75 semester hours before enrolling in a course at this level.
- 400-499 Graduate courses. None are listed herein; see the *Graduate Catalog*. Courses at this level are for graduate students. In exceptional instances, a senior may receive permission to enroll for undergraduate credit in a course at this level. Such permission is granted only upon the recommendation of the student's advisor with agreement of the chairperson of the department offering the course and the Dean of Graduate Studies. Seniors may be permitted to begin graduate work if they meet the conditions of the Senior in Good Standing Policy as described in the *Graduate Catalog*.
- 500-599 Courses limited to advanced graduate or doctoral students.

Course Descriptions

The following information is given for each course: course number (three or five digits preceding the title); course title; credit value in semester hours; and F for Fall and S for Spring to indicate the semester for which a course is planned as an offering during the current academic year. *The University, however, may cancel or add scheduled course offerings after publication of this Catalog depending upon the adequacy of enrollment and availability of faculty.* Following the above information, any prerequisites, restrictions on enrollment, and any special considerations are noted in italics. *A course prerequisite is knowledge or experience a student is required (req) or recommended (rec) to have prior to enrolling in a course.* Example:

102 MUSIC THEORY 2 S
MUS 101 or cons Theory Coord req. Formerly MUSIC THEORY AND HISTORY.

Continuation of common practice syntax; emphasis on formal analysis and composition of common practice idioms.

The course number, 102, indicates that the course is primarily for freshmen and sophomores. The digit "2," following the title, indicates the credit value in semester hours. "S" indicates that the course is to be offered during the Spring semester. The italicized lines under the course title indicate the required background for enrolling in the course. In the example given, a student must have passed Music 101 or have consent of the Coordinator of Music Theory courses prior to enrollment in 102. The title of the course in previous

Catalogs is indicated by the *Formerly* statement. A brief description of the course is provided in the paragraph following the prerequisites.

If the course were approved for University Studies, the letters "US" followed by the group number would be included in the course title, for example, US-1 or US-8. Additional information about the course is available in the respective department office.

Common Abbreviations

Departmental Abbreviations

The following abbreviations for departmental offerings are used both in the program requirement descriptions and in the course descriptions throughout the Catalog. They are also identical with those used in the *Class Registration Directory*.

| | |
|-----|--|
| ACC | Accounting |
| AGR | Agriculture |
| ACS | Applied Computer Science |
| ART | Art |
| BSC | Biological Sciences |
| BEA | Business Education and Administrative Services |
| CHE | Chemistry |
| COM | Communication |
| CJS | Criminal Justice Sciences |
| C&I | Curriculum and Instruction |
| ECO | Economics |
| EAF | Educational Administration and Foundations |
| ENG | English |
| FIL | Finance, Insurance and Law |
| FOR | Foreign Languages |
| GEO | Geography-Geology |
| HPR | Health, Physical Education, Recreation, and Dance |
| HSC | Health Sciences |
| HIS | History |
| HEC | Home Economics |
| IDS | Interdisciplinary Studies |
| IT | Industrial Technology |
| MAT | Mathematics |
| MKT | Marketing |
| MQM | Management and Quantitative Methods |
| MSC | Military Science |
| MUS | Music |
| PHI | Philosophy |
| PHY | Physics |
| POS | Political Science |
| PSY | Psychology |
| SWK | Social Work |
| SOA | Sociology-Anthropology |
| SED | Specialized Educational Development |
| PAS | Speech Pathology-Audiology |
| THE | Theatre |

Course Information Abbreviations

May be repeated indicates that a course may be taken for credit more than once if different content is planned; however, there may be a maximum amount of credit specified for the course.

Variable credit courses. If a course leads to differing number of hours, a student should plan with the advisor the number of hours to be sought.

Conc reg req (or rec) means that concurrent registration in two courses is required (or recommended).

Incl Clin Exp indicates that certain clinical experiences in Teacher Education are required in the course.

Cons inst means consent of the instructor.

Cons dept chair means consent of the chairperson of the department offering the course.

Not for cr maj/min means that the credit from this course may not be applied to the major or minor program requirements.

Not for cr if had (course) means that so much overlap exists between the specified courses that students should not be able to count both toward graduation. Such courses are not, however, considered interchangeable in meeting all requirements.

Also offered as (course) means that the specified courses are identical and are thus considered interchangeable in meeting all requirements.

Materials charge optional indicates that certain supplementary materials must be provided for the course.

Compucard charge optional indicates that purchase of a Compucard may be required for the course.

Faculty Information

Faculty whose names appear in the department faculty lists were teaching at the University during the last Fall semester. Because of sabbatical leaves, temporary assignments, research projects, and other reasons, not all of these faculty will be teaching in the period covered by this Catalog.

GENERAL STUDIES MAJOR

Program Coordinator: Contact Academic Advisement, 340 Fell Hall.

Degrees Offered: B.A., B.S.

Illinois State University offers students the opportunity, under the General Studies Major, to construct three types of individualized programs of study which differ from the University's regular major and minor programs. These options use existing University courses and lead to the Bachelor of Arts or Bachelor of Science degree in General Studies. Each sequence addresses a different set of educational objectives.

The **Individualized Sequence** of the General Studies Major allows a student to design, with the help of a faculty sponsor, a specialized program of study that is not offered by the University. This program is intended for the student whose specific interests cannot be accommodated within existing programs. Some topics recently chosen by students include: Classical Civilization, Agricultural Communication, Three-Dimensional Design, Human Services and Needs, International Public Administration, and Theatre Management. The Individualized Sequence is often a second or auxiliary major but may be proposed as a primary major.

The **Multidisciplinary Studies Sequence** of the General Studies Major, by contrast, is a broader program built around the offerings of two or more departments that may be from more than one college. It is intended for the student who is seeking a baccalaureate degree without the specialization of a traditional major. The student chooses the focus of the program, with the help of a faculty advisor, by determining the departments in which he or she wishes to pursue advanced work.

The **Arts and Sciences Sequence** of the General Studies Major is also a broad program emphasizing the offerings of two or more departments, chosen with the help of a faculty advisor. However, unlike the Multidisciplinary Studies Sequence, the coursework is primarily oriented to liberal arts and must be completed from departments in the College of Arts and Sciences.

NOTES:

1. The Multidisciplinary Studies Sequence and Arts and Sciences Sequence of the General Studies Major do not prepare a student for a specific professional career or graduate field. Because of their general nature, these programs will probably require graduates to convince prospective employers or graduate schools that the students' degree preparation will enable them to succeed in a particular job or educational endeavor.
2. The General Studies Major does not satisfy the requirements for teacher certification.

Procedure for General Studies Major

1. Admission to the General Studies Major (or Minor) may be requested after the completion of 15 semester hours of coursework and before the completion of 90 semester hours. Applications must be submitted during the first half of the Fall or Spring semesters.
2. Applications are available in the Academic Advisement Center, 340 Fell Hall. Applicants should select an appropriate faculty advisor. The proposed plan of study must be approved by the faculty advisor, the General Studies Major Committee, and the Associate Vice President, Instruction, and Dean of Undergraduate Studies.
3. At least one-half of the coursework in the sequence must be taken after the proposal has been approved. No more than one-sixth of the coursework in the sequence may be transferred from another institution of higher education.
4. Changes in an approved plan of study must be authorized in advance. A letter outlining the proposed change, and countersigned by the faculty advisor, should be submitted to the Advisement Center. Requests for changes in more than one-sixth of the approved program constitute a new proposal and must be resubmitted subject to all the conditions of an initial application.
5. If the Individualized Sequence is a student's primary major, courses included in the approved program may not be used to meet University Studies requirements. Courses from the departments specified in the Multidisciplinary and Arts and Sciences sequences may not be used to meet the University Studies requirements.

Requirements for General Studies Major or Minor

1. 120 semester hours.
2. Completion of University Studies requirements.
3. 42 senior-college (200- to 300-level) hours.
4. An approved plan of study from at least two departments.
5. A 2.5 cumulative GPA at the time of application.

INDIVIDUALIZED SEQUENCE

The Individualized Sequence is an interdisciplinary program that may be used to attain specific educational goals that cannot be accommodated by existing majors at Illinois State. The General Studies Major: Individualized Sequence is usually a second or auxiliary major but may be proposed as a primary major.

Students who complete the Individualized Sequence will earn a Bachelor of Arts or Bachelor of Sciences degree and have their transcripts noted: "General Studies Major: Individualized Sequence: _____" (the theme that is specified on the plan of study). Students completing minors will have their transcripts noted similarly.

General Studies Major: Individualized Sequence Requirements

- 120-hour graduation requirement, including University Studies requirements and 42 senior-college (200- to 300-level) hours.
- Approved plan of study from at least two academic departments containing 36-55 hours.

General Studies: Individualized Minor Requirements

- Approved plan of study from at least two academic departments containing 18-24 hours.

MULTIDISCIPLINARY STUDIES SEQUENCE

The Multidisciplinary Studies Sequence is designed for the student who wishes to pursue a baccalaureate degree without the specialization required in a traditional program. The student chooses the focus of the major by determining the two or more departments around which to build the program.

The departments chosen may be from more than one college. Students who complete the Multidisciplinary Studies Sequence will earn a Bachelor of Arts or Bachelor of Science degree and have their transcripts noted: "General Studies Major: Multidisciplinary Studies Sequence."

General Studies Major: Multidisciplinary Studies Sequence Requirements

- 120-hour graduation requirement, including University Studies requirements and 42 senior-college (200- to 300-level) hours.
- An approved plan of study with a minimum of 36 hours from two specified departments, including 12 senior-college hours (200- to 300-level) from each of the two departments and a maximum of 25 hours from any one of the departments.

ARTS AND SCIENCES SEQUENCE

The Arts and Sciences Sequence is designed for students wishing to pursue a baccalaureate degree with broad specialization in the liberal arts and sciences. The student chooses the focus of the major by determining the two or more departments around which to build the program. Students who complete the Arts and Sciences Sequence will earn a bachelor of arts or bachelor of science degree and have their transcripts noted: "General Studies Major: Arts and Sciences Sequence."

General Studies Major: Arts and Sciences Sequence Requirements

- 120-hour graduation requirement, including University Studies requirements, and 42 senior-college (200- to 300-level) hours.
- An approved plan of study with a minimum of 36 hours from two specified Arts and Sciences departments, including 12 senior-college hours (200- or 300-level) from each of the two departments, a maximum of 25 hours from any one of the departments, and a total of 96 hours from Arts and Sciences departments.

ETHNIC AND CULTURAL STUDIES MINOR

No major offered. Further information: Associate Vice President, Instruction, and Dean of Undergraduate Studies, Hovey 308, Campus Box 4000.

NOTE: The study of ethnic groups not listed below may be arranged through the General Studies: Individualized Minor Program. Students interested in pursuing work in this area should contact the Associate Vice President, Instruction, and Dean of Undergraduate Studies.

ETHNIC AND CULTURAL STUDIES

- A minimum of 22 hours representing eight courses as indicated from Groups I, II, and III; at least four courses must be above the 100-level; no more than three courses may be from one department. A Professional Practice experience approved by the student's minor advisor and the appropriate department may be used as one course in Group I and/or Group II. An independent study course approved by the student's minor advisor and processed through the regular procedure may be used as one course in Group I and/or Group II.

Group I - Ethnic Origins

Students must complete three courses from Group I, representing at least two departments. Group I represents the origins of minority populations in the United States. The emphasis is on the culture, history, and the experience of the area from which present-day United States' minorities come and on the Native American population before the arrival of the immigrants.

Asian Americans: GEO 255; HIS 125, 373, 375; PHI 207; POS 345.

African Americans: ART 277; GEO 250; POS 246.

Hispanic Americans: FOR 217.15, 218.15, 221.15, 242.15, 335.15; GEO 230; HIS 127, 263; IDS 110; POS 347.

Native Americans: ANT 283, 284.

Group II - The Experience of Minority Populations in the United States

Students must complete three courses from Group II, representing at least two departments. Group II represents the experience of minority populations after arriving in the United States and of the Native American population after the arrival of the whites. The focus is on the historical, cultural, political, and social experience of the group as a minority population in a largely white European dominated society.

African Americans: ART 278; ENG 165; HIS 257, 258; IDS 105; MUS 153, 154; THE 154.

Hispanic Americans: FOR 218.15.

Native Americans: ANT 272.

General Courses: C&I 232, 312; CJS 303; PAS 389 (Oral Language of Dialect and Bilingualism.)

Group III - Ethnicity

Students must complete two courses from Group III, representing at least two departments. Group III focuses on the concept of ethnicity in a more theoretical way. It attempts to generalize from minority experiences.

Courses: C&I 110; HIS 273; SOC 264, 366; ANT 281.

LATIN AMERICAN STUDIES

- 24 hours required for the Minor.
- Required courses: two semesters of college-level Spanish or its equivalent; IDS 110 (Introduction to Latin American Studies); a planned course of study approved by the Latin American Studies advisor in which courses

are elected in at least three fields other than Spanish. Course work may be selected from the following: AGR 100; ECO 205, 210; FOR 218.15, 242.15, 331.15, 335.15, 336.15; GEO 230; HIS 127, 263; POS 347; ANT 292; THE 375.

- This program must be planned in consultation with the Latin American Studies advisor. With the approval of the advisor, courses other than those listed above may be counted toward the Minor. No more than two courses in the student's major field of study may be counted toward this Minor.

WOMEN'S STUDIES

- 21 hours required for the Minor.
- Required courses: IDS 120, ENG 160, HIS 250, PHI 246.
- 9 hours of additional courses from: CJS 339; ENG 260, 360; HIS 330; IDS 390, 391, 398; PSY 123 or SOC 123; PSY 305; SOC 264 or 366, 341.

UNIVERSITY-WIDE COURSES

These courses may be offered by any department of the University. Specific departmental offerings will be listed by topic or area in the *Class Registration Directory* available each semester. Student Teaching (399) for all available areas is listed separately in the *Class Registration Directory*; Professional Practice (198, 298, 398) for all available areas is listed by department in the *Class Registration Directory*.

189, 289, 389 SELECTED STUDIES 1-6

Experimental and interdepartmental courses providing content not offered within the framework of courses approved for inclusion in the Undergraduate Catalog. Descriptions of the courses offered each semester are provided in the back pages of the *Class Registration Directory* booklets.

193, 293, 393 WORKSHOP 1-6

Max of 6 hrs may be applied toward graduation.

Workshop opportunities are provided for the purpose of permitting students to work on special problems not covered in any one course offered by the University. Topics for investigation by workshop participants are limited to areas in which the University is able to provide adequate workshop staff. Description of the courses offered each semester are provided in the back pages of the *Class Registration Directory* booklets.

198, 298, 398 PROFESSIONAL PRACTICE 1-16

Cons dept chair. Max of 16 hrs may be applied toward graduation.

Supervised work experiences in local, state, national, and international businesses, agencies, institutions, and organizations which are planned, administered, and supervised at the departmental level. University-wide coordination is provided through the Office of Professional Practice or through the Office of Clinical Experiences if the experience is in an educational agency or institution.

287 INDEPENDENT STUDY 1-6

Max of 6 hrs may be applied toward graduation. Cons dept chair and supervisor.

Intensive work in a special area of the student's interest. Each individual project is to culminate in a comprehensive written report or examination. Open only to students who are not on academic probation and who have demonstrated an ability to profit from independent study.

- 291 SEMINAR: UNDERGRADUATE TEACHING ASSISTANTS** 1-3
Official designation as an Undergraduate Teaching Assistant (UTA). Max of 3 hrs may be applied toward graduation. Cons dept chair.

Supervised examination of issues related to the Undergraduate Teaching Experience. Seminar requires time beyond the UTA work experience.

- 299 INDEPENDENT HONOR STUDY** 1-6
Open only to students who have achieved superior academic records and who have demonstrated an ability to profit from independent study. Max of 6 hrs may be applied toward graduation. Cons inst, dept chair, and Dir of Honors.

Intensive work in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report or examination.

- 397 INSTITUTE** 1-9
 Federal- and state-sponsored institutes or similar short-term programs requiring treatment of subject matter of a special nature or for special groups.

- 399 STUDENT TEACHING** 1-16 F,S
2.50 cum GPA req. (C&I 253 for El Ed maj or C&I 263 for ECE maj.)
High-school teaching (6-12): PSY 215 or C&I 210 and C&I 214 or 215 or 216 (6 hrs), and a min of 100 clock hours of approved pre-student teaching Clin Exp.
Special Areas (K-12): PSY 215 or C&I 210 and C&I 214 or 215 or 216 (6 hrs), and a min of 100 clock hours of approved pre-student teaching Clin Exp in K-12 sites.
Junior High/Middle School (K-9): C&I 390, min of 100 hours of approved pre-student teaching Clin Exp, completion of Field of Study req prerequisite for student teaching in areas of concentration.
El Ed (K-9): C&I 252, min of 100 clock hours of approved pre-student teaching Clin Exp.
Special Education (K-12): Specific courses are req in each seq. See listing of req in individual Special Ed seq. All seq req the completion of a min of 100 clock hours of approved pre-student teaching Clin Exp.
Approval of dept chair and the Director of the Office of Clinical Experiences and Certification Processes.
15 hours of coursework or equiv at Illinois State.
Other req as listed in the University-wide Teacher Education Program Requirements section of this Catalog.

Directing the learning of pupils; participating in school and community activities; assuming full responsibility for a group of learners under the supervision of an expert teacher. Assignments are made on the basis of the student's area of specialization. The student's transcript indicates the area in which student teaching was completed.

INTERDISCIPLINARY STUDIES

INTERDISCIPLINARY COURSES

- 102 HONORS COLLOQUIUM** 3 S
May be repeated once for cr if topic is different.
 Interdisciplinary, for students in the Honors Program. Weekly sessions, presented by one or more specialists on the topic, explore a semester theme.

- 105 CULTURAL AWARENESS AND INTERRACIAL UNDERSTANDING** 3 F,S
Cons inst.

Racially-balanced experiential and theoretical course for students wishing to increase awareness and understanding and to improve black/white communication.

- 106 CAREER CHOICE** 1 F,S
CR/NC only. Fr only rec. Materials charge optional.

Introduction to theory of career decision making. Laboratory in the application of skills and strategies to individual career choices.

- 110 INTRODUCTION TO LATIN AMERICAN STUDIES** 3 F

An overview of politics, economics, history, geography, culture, and the arts in Latin America with focus on variable selected topics.

- 111 PEACE STUDIES** 2 F,S
 A general, interdisciplinary introduction to Peace Studies. A study of world order, social justice, conflict resolution, ecological balance, and education for an interdependent world. Taught by members of the Peace Studies Committee.

- 120 INTRODUCTION TO WOMEN'S STUDIES** 3 US-7 F,S
Formerly WOMEN TODAY.

Introduction to the concerns and problems of women in today's society. Historical roots and viable alternatives to the present culture will be discussed.

- 187 IUS INDEPENDENT STUDY** 1-3
Only for students pursuing the Independent University Studies option who wish to undertake independent study projects on an interdepartmental and off-campus basis.

- 202 ADVANCED HONORS COLLOQUIUM** 3 S
Jr standing or cons Dir Honors req. May be repeated once if topic is different.

Weekly sessions presented by a specialist dealing with a semester's topic for advanced students in the Honor's Program.

- 285 HONORS UNDERGRADUATE RESEARCH I** 1-3 F,S
Cons Dir Honors req. May not be repeated.

Honors student assists a faculty member on the faculty member's research project.

- 286 HONORS UNDERGRADUATE RESEARCH II** 1-3 F,S
IDS 285 req. May not be repeated.

Continuation of IDS 285.

- 287 IUS INDEPENDENT STUDY** 1-3 F,S
Only for students pursuing the Independent University Studies option who wish to undertake independent study projects on an interdepartmental or off-campus basis.

- 301 JUDAISM: HISTORY AND CULTURE** 3 S
Jr standing.

Rigorous survey of Jewish history; attention to Torah, Talmud, Septuaginta, Kabbala; emphasis on Diaspora, reform movements, basic practices, cultural interplay.

- 390 INTERDISCIPLINARY RESEARCH IN WOMEN'S STUDIES** 1-6 F,S
Proposal signed by 2 faculty advisors from different disciplines and approved by Coord of Women's Studies req prior to reg.

- 391 WOMEN'S STUDY SEMINAR** 1-3 Summer
May be repeated; max 6 hrs.
 Detailed study of current selected topics.

- 398 PROFESSIONAL PRACTICE: INTERNSHIP
 IN WOMEN'S STUDIES** 1-6 F,S,Summer
*6 hrs of Women's Studies and cons Women's Studies
 Coord req. May be repeated; max 16 hrs.*
 Supervised work experience in local, state, national, or inter-
 national businesses, agencies, institutions, or organizations
 focusing on women's issues.

STUDENT EXCHANGE PROGRAMS

- 222 NATIONAL STUDENT EXCHANGE** 1-16 F,S
Soph/jr standing; 2.5 GPA req.
 Study for up to 1 year at another university, paying tuition
 and fees at Illinois State University.
- 223 NATIONAL STUDENT EXCHANGE** 1-16 F,S
 Study for up to 1 year at another university, paying tuition
 and fees at Illinois State University.
- 225 NATIONAL COLLEGIATE
 HONORS EXCHANGE** 1-16 F,S
Participation in Illinois State Honors Program.
 Honors study for 1 semester at another university.

STUDY ABROAD PROGRAMS

- CURTIN UNIVERSITY OF TECHNOLOGY,
 PERTH, WESTERN AUSTRALIA** 12-15 F,S
 Sem/yr program. A wide variety of undergraduate and grad-
 uate courses are offered for University Studies, elective, and
 major field credit.

- EDITH COWAN UNIVERSITY,
 PERTH, WESTERN AUSTRALIA** 12-15 F,S
 Sem/yr program. A wide variety of undergraduate and grad-
 uate courses are offered for University Studies, elective, and
 major field credit.

- SALZBURG COLLEGE,
 SALZBURG, AUSTRIA** 15-17 F,S
 Sem/yr program focusing on social sciences, humanities, and
 fine arts. University Studies, elective, and major field credit
 available. Courses taught in English.

- BRIGHTON UNIVERSITY,
 BRIGHTON, ENGLAND** 12 F,S
 Sem program. Elementary Education Student Teaching. All
 programs are taught at Brighton University campuses.

- CHRIST CHURCH COLLEGE,
 CANTERBURY, ENGLAND** 12 F,S
 Sem/yr program. University Studies courses in art, history,
 literature, culture, and geography.

- LEICESTER UNIVERSITY,
 LEICESTER, ENGLAND** 12 F,S
 Yr program offering courses in a wide variety of disciplines
 for major and minor field, and University Studies credit.

- CATHOLIC UNIVERSITY,
 ANGERS, FRANCE** 15 F,S
 Sem/yr program focusing on French language, culture and
 civilization. University Studies credit is available in Group I.

- UNIVERSITY OF BONN,
 BONN, GERMANY** 12 F,S
 Sem/yr program. German language program open to jr only.
 Maj/min in German language and literature must have com-
 pleted 211.13 and 213.13 before leaving for the program.

- INSTITUTE OF ITALIAN STUDIES,
 FLORENCE, ITALY** 12-17 F,S
 Sem/yr program. Italian language, culture, civilization, art
 history, studio art. Courses offered in English. University
 Studies and maj/min field credit available in art.

- KANSAI GAIDAI UNIVERSITY,
 HIRAKATA, JAPAN** 14-17 F,S
JPN 111 and 112 or equiv req.
 Sem/yr program. A wide variety of University Studies cours-
 es are offered in English. Students must take 8 hours of
 intensive Japanese language.

- NANZAN UNIVERSITY,
 NAGOYA, JAPAN** 15-17 F,S
JPN 111 and 112 or equiv req.
 Yr program beginning Fall semester. A wide variety of Uni-
 versity Studies courses are offered in English. Students must
 take 10 hours of intensive Japanese language.

- SOUTHERN ILLINOIS UNIVERSITY,
 NAKAJO, JAPAN** 15 F,S
JPN 111 and 112 or equiv req.
 Sem/yr program. A wide variety of undergraduate courses
 are offered for University Studies, elective, and major field
 credit. No previous knowledge of Japanese language
 required.

- STIRLING UNIVERSITY,
 STIRLING, SCOTLAND** 15 F,S
 Sem/yr program. Courses for maj/min field credit and Uni-
 versity Studies credit are available in many departments.
 Students take 3 courses per semester, each worth 5 credit
 hours.

- UNIVERSITY OF MADRID,
 MADRID, SPAIN** 12 F,S
SPA 111 and 112 or equiv req.
 Sem/yr program focusing on Spanish language, culture and
 civilization. University Studies credit for Groups I and II
 available.

- UPPSALA UNIVERSITY,
 UPPSALA, SWEDEN** 15 F,S
 Sem/yr program offering courses in a wide variety of disci-
 plines for maj/min field, and University Studies credit.
 Courses are taught in English. Special course in Swedish
 civilization offered during Fall semester.

COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY

Dean: Elizabeth Chapman, 145 Turner Hall.

The Departments of Agriculture; Applied Computer Science; Criminal Justice Sciences; Health, Physical Education, Recreation and Dance; Health Sciences; Home Economics; Industrial Technology; and Military Science constitute the College of Applied Science and Technology. Undergraduate and graduate programs of the College are designed to prepare students for professional and/or technical positions in education, government, business and industry.

AGRICULTURE (AGR)

150 Turner, (309) 438-5654

Chairperson: J. R. Winter.

Tenured/Tenure-track Faculty:

Professors: Balbach, Rosati, Walker, Webel, Whitacre, Winter, Wood.

Associate Professors: Chrudimsky, O'Rourke.

Assistant Professors: Moore, Smiciklas, Tudor, Wachenheim.

Other Faculty:

Lecturers: Malone, Steffen.

Agribusiness Program

Degree Offered: B.S.

MAJOR IN AGRIBUSINESS

Agribusiness Sequence:

- 36 hours in Agriculture and 19 hours in the College of Business and/or Department of Economics.
- Required courses: AGR 109, 110, 130, 150, 170; CHE 110 and 112 or 140; ECO 101, 102; MAT 120 (MAT 119 or competence required); ACC 131; ECO 101, 102. CHE 110, 112; and 3 hours MAT satisfy part of the University Studies requirements.
- The student must complete a minimum of 12 semester hours (within the 36 required in Agriculture) in agricultural economics courses selected from AGR 213, 214, 215, 216, 310, 312, 313, 314, 315, 316, 318, 319, 320. AGR 295 and 396 do not count toward this major.
- The student must complete a minimum of 9 hours from the areas of Agricultural Engineering Technology, Agronomy, Animal Science, or Horticulture Science (in addition to AGR 130, 150, and 170).
- Non-business majors who desire to elect more than 30 hours of their coursework in business must meet all College of Business requirements for graduation. These students should register for additional courses only in person and with the written permission of the College of Business advisor.

Horticulture Sequence:

- 36 hours in Agriculture and 19 hours in the College of Business and/or Department of Economics.
- Required courses: AGR 109, 110, 120, 130, 157, 260, 356; AGR 150 or BSC 196 or 197, (AGR 150 preferred); ECO 101, 102; ACC 131; FIL 208; MAT 120 (MAT 119 or competence req); CHE 110 and 112, or 140.
- 6 hours from AGR 252, 253, 254, 255, 352, 353, 355.
- AGR 295 and 396 do not count toward this Sequence.

Agriculture Program

Degree Offered: B.S.

MAJOR IN AGRICULTURE

General Agriculture Sequence:

- 36 hours in Agriculture required.
- A minor or second major is required.
- Agriculture Core courses: AGR 109, 110, 130, 150, and 170.
- Additional required courses: BSC 196 or 197 (196 preferred); CHE 110 and 112, or 140.
- At least 1 course in each of 3 of the 4 following specialized areas of Agricultural Economics, Agricultural Engineering Technology, Agronomy, and Animal Science. AGR 295 and 396 do not count toward this Sequence.

Production Agriculture Sequence:

- 55 hours in Agriculture required.
- Agriculture Core courses: AGR 109, 110, 130, 150, and 170.
- Additional required courses: AGR 157 and 171; BSC 196 or 197 (196 preferred); CHE 110 and 112, or 140; ECO 101 or 102; MAT 119 or 120 or 144.
- Required hours in Agriculture courses: 11 in Agronomy, 8 in Agricultural Economics, 13 in Animal Science, 6 in Agricultural Engineering Technology, 17 in Agriculture electives. AGR 295 and 396 do not count toward this Sequence.

Agricultural Science Sequence:

- 36 hours in Agriculture, and 21 hours in Biological Sciences, Chemistry, Physics, or Mathematics.
- Agriculture Core courses: AGR 109, 110, 130, 150, and 170.
- At least 3 senior-level hours from the Agricultural Economics area.
- Additional required courses: AGR 272 or BSC 219; ECO 101 or 102; MAT 120 or 144.
- Student must complete at least 20 hours in either Animal Science or Agronomy. A minimum of 21 hours is required in Biological Sciences, Chemistry, Physics, or Mathematics, which include BSC 196 or 197 (196 preferred); and a minimum of 10 hours of Chemistry including (CHE 110 and 112, or 140) and CHE 220 or 230 and 231). AGR 190, 295, and 396 do not count toward this Sequence.

Agriculture Education Sequence:

All Agriculture Education students planning to become certified teachers must apply for and be admitted to the University Teacher Education Program (see Teacher Education Admission-Retention Program section of this Catalog). A cumulative 2.5 GPA and 2.5 in the Major are required for admission and retention in this Sequence. Students are encouraged to consider a second certification in an academic area such as Biological Sciences, Chemistry or Mathematics.

- 55 hours in Agriculture required.
- Agriculture Core courses: AGR 109, 110, 130, 150, and 170.

- Additional required courses: AGR 157, 171, 190, 120 or 252, 214, 232, 295, 396; BSC 196 or 197 (196 preferred); CHE 110 and 112, or 140.
- Professional Education requirements: PSY 215 (3 hrs), C&I 214 (2 hrs); C&I 215 (2 hrs); C&I 216 (4 hrs); a minimum of 100 clock hours of approved pre-student clinic experiences; and Student Teaching 399 (8 hrs). All Professional Education courses must be passed with a grade of "C" or higher. Program leads to certification: Secondary 6-12.

HONORS IN AGRICULTURE

The Department offers honors work in Agriculture to highly qualified juniors and seniors who will pursue an individualized program of study. The Honors Program enables the superior student to reinforce guided private study in agricultural topics of the student's own choosing with seminar-style research. Students interested in participating in the Departmental Honors Program may secure further information by contacting the chairperson of the Department of Agriculture. The Department also offers in-course honors work in all its courses for students enrolled in the University Honors Program or in any departmental honors program. In-course honors work is offered at the discretion of the instructor.

MINOR IN AGRICULTURE

- 24 hours in Agriculture required.
- Required courses: AGR 110, 130, 150, 170.

Agriculture Courses

In meeting program requirements in Agriculture, the student should note that the courses are considered in areas, as follows: General courses: 100, 109, 198, 200, 205, 302, 303, 363, 398. Agricultural Economics: 110, 213, 214, 215, 216, 310, 312, 313, 314, 315, 316, 318, 319, 320. Agricultural Education: 190, 295, 396. Agricultural Engineering Technology: 130, 231, 232, 234, 235, 240, 340. Agronomy: 150, 157, 250, 251, 263, 272, 352, 355, 357, 358, 360. Animal Science: 170, 171, 272, 274, 275, 276, 277, 278, 280, 282, 283, 284, 285, 286, 288, 290, 372, 373, 374, 375. Horticulture Science: 120, 150, 157, 252, 253, 254, 255, 260, 352, 353, 355, 356.

100 AGRICULTURE OF DEVELOPING COUNTRIES 3 US-8 F,S

Creative approaches to understanding the role of agriculture in developing countries. Analysis of agricultural problems, policies, and processes.

109 INTRODUCTION TO THE AGRICULTURAL INDUSTRY 1 F,S

The development of agriculture as an industry; contributions of agriculture to society; the technology of the industry.

110 INTRODUCTORY AGRICULTURAL ECONOMICS 3 US-5 F,S

Fundamental principles of economics applied to agriculture, agriculture finance, prices, taxation, marketing, and land use.

120 INTRODUCTORY HORTICULTURE 3 US-7 F,S

Introduction to principles and practices in development, production, and use of horticultural crops (fruits, vegetables, greenhouse, floral, turf, nursery, and landscape).

130 INTRODUCTION TO AGRICULTURAL ENGINEERING TECHNOLOGY 3 F

Lecture and lab. Formerly INTRODUCTION TO AGRICULTURAL MECHANICS.

Place of mechanics in agriculture. Examples, problems, discussions, and laboratory exercises in present and future mechanics applications.

150 INTRODUCTION TO PLANT SCIENCE 4 US-7 F

Fundamentals of plant science; importance, classification, distribution, and production practices of the major crops of the world.

157 SOIL SCIENCE 4 S

CHE 110 and 112 or equiv req. Lecture and lab.

Origin and formation, physical and chemical properties, moisture relationships, liming and fertilizing soils. Chemical and physical tests of soils.

170 INTRODUCTION TO ANIMAL SCIENCE 4 US-7 F,S

Lecture and lab.

Breeding, selection, genetics, nutrition, physiology, and production of farm animals. Fundamentals of animal science.

171 LIVESTOCK FEEDING PRINCIPLES 3 S

AGR 170 req.

Classes of feeds, nutrients, their functions in the animal body, choice of feedstuffs, and balancing of rations.

190 INTRODUCTION TO AGRICULTURAL EDUCATION 2 F

Incl Clin Exp.

Introduction to agricultural teaching profession, overview of the total agricultural program, philosophical base of education process, and teaching special-need students.

198 PROFESSIONAL PRACTICE: FARM INTERNSHIP 1-6 F,S,Summer

Maj only. Approved application req. CR/NC only.

Experience in basic agricultural operations. Min 45 hrs experience/hr credit.

200 AQUACULTURE TECHNOLOGY AND MANAGEMENT 3 F,S

AGR 170 or BSC 100 or BSC 196 or 197 req. Lecture, lab and field trips.

Scientific principles and hands-on training in commercial aquaculture with emphasis on the engineering of indoor production systems.

205 MICROCOMPUTER APPLICATIONS IN AGRICULTURE 3 F,S

ACS 150; AGR 110, 130, 150, and 170 req. Computer charge optional.

Introduction to microcomputer applications specific to agriculture.

213 FARM MANAGEMENT 3 F,S

Factors of production, such as equipment, labor distribution, cropping systems, and soils; organization and operation; types of farming.

214 AGRICULTURE MARKETING 3 F,S

Markets, price-making forces, reasons for existing practices, marketing services, and cooperative marketing.

215 AGRIBUSINESS OPERATIONS 2 F,S

Procedures and methods of profitable operations used by agricultural business; lectures and discussions pertaining to the world of work by successful agribusiness leaders.

216 FARM ACCOUNTING 3 F,S*Materials charge optional.*

Standard farm business accounting methods and procedures, financial measures of success, inventories, depreciation, net worth, income tax, budgeting and cash flow, and business analysis.

231 AGRICULTURAL CONSTRUCTION AND MAINTENANCE 3 S*AGR 130 req. Lecture and lab.*

Selection, use, and maintenance of hand and power tools and equipment for construction and maintenance in agriculture; shop organization; shop safety.

232 AGRICULTURAL POWER UNITS AND MACHINERY 3 S*Lecture and lab.*

Principles of single and multiple cylinder engine operation. Selection, adjustment, operation, and maintenance of field machinery.

234 SOIL AND WATER CONSERVATION 3 F*Lecture, lab and field trips.*

Drainage, soil erosion control, water conservation on farms; planning, materials, construction, repair, and adaptation of structures to farm needs.

235 FARM UTILITIES 3 S*Lecture and lab.*

Application of electricity for light, heat, and power; principles of operation, selection, and installation of electrical equipment. Water supply and sewage systems.

240 AGRICULTURAL POWER SYSTEMS 3 S*AGR 232 req. Lecture and lab. Field trip. Offered odd-numbered years.*

Selecting, analyzing, maintaining spark-ignition and diesel tractors. Principles of hydraulics, power transmission, and electrical regulation systems.

250 FIELD CROP PRODUCTION 4 F,S*AGR 150 req. Lecture and lab. Materials charge optional. Formerly GRAIN AND SOYBEAN PRODUCTION.*

Principles of planting, cultivating, and harvesting agricultural field crops; control of diseases, insects and weeds via integrated pest management.

251 FORAGE CROP PRODUCTION 3 S*AGR 150 req. Lecture and lab.*

Characteristics, utilization, and production of principal forage plants. Recent literature in forage management reviewed.

252 LANDSCAPE MANAGEMENT 3 F*AGR 150 and 157 or cons inst req. Lecture and lab.*

Cultural practices and principles in the selection and care of ornamental plants for landscape and garden use. Introduction to landscape design and maintenance.

253 FLORAL DESIGN 3 F*Lectures and practice in floral designing. Materials charge optional.*

Principles and practice in the design of floral arrangements. Introduction to the operation of retail florist businesses.

254 PLANTS FOR INTERIORS 3 S*Lecture and lab. Materials charge optional.*

Tropical and subtropical ornamental plants grown as interior design elements. Preparation of designs which utilize these plants.

255 LANDSCAPE PLANTS 3 F,S*Intensive field study supplemented by lectures. Offered odd-numbered years.*

Identification and landscape value of ornamental trees, shrubs, vines, and ground cover.

260 GREENHOUSE OPERATION AND MANAGEMENT 3 S*AGR 157 and either BSC 196 or 197 or AGR 150 or equiv req. Lectures and greenhouse practices. Materials charge optional.*

Commercial greenhouse operation and management; growth media, temperature and light factors, irrigation, fertilization, growth regulation and pest control programs.

263 WEED SCIENCE 3 F*AGR 150 req. Lecture and lab. Materials charge optional.*

Practicum in crop weed identification and control. Weed collection required.

272 AGRICULTURAL GENETICS 3 F*AGR 150 or 170 req.*

Heredity, variation, and development of domesticated plants and animals. Mendelian genetics, mutations, linkage, quantitative inheritance, and population genetics.

274 DAIRY SCIENCE 4 F*AGR 170 req; 171 rec. Lecture, lab and field trips.*

The dairy industry; breeds, selection, judging, care, and management of dairy cattle; quality milk production, milk products, and milk testing.

275 FEEDLOT MANAGEMENT 3 F*AGR 170, 171 req.*

The feeding, health, and financial management of feedlot cattle, including pollution control and facility design.

276 SWINE MANAGEMENT 3 F*AGR 170, 171 req. Lecture and lab.*

Breeds, care, and management of breeding herd; care and feeding of swine, selecting swine for breeding and marketing.

277 SHEEP MANAGEMENT 3 S*AGR 170, 171 req. Lecture and lab. Formerly MINOR SPECIES.*

Breeding, feeding, and management practices essential for economical production of the farm sheep flock.

278 BEEF COW-CALF MANAGEMENT 3 S*AGR 170, 171 req. Lecture, lab and field trips.*

Beef cattle industry, economics, care, management and production skills involved in cow-calf and finishing cattle operations.

280 LIVESTOCK AND DAIRY CATTLE SELECTION 3 S*Lab and field trips. Formerly LIVESTOCK SELECTIONS.*

Fundamentals of livestock and dairy selection; relation to production, marketing, and showing.

- 282 LIVESTOCK HEALTH AND DISEASES** 3 F
BSC 196 or 197; AGR 170 req.
Animal physiology, anatomy, sanitation, and diseases. Prevention and control of diseases of domesticated species of livestock.
- 283 ARTIFICIAL INSEMINATION OF FARM ANIMALS** 3 S
Lecture and lab.
Principles of artificial insemination and factors affecting conception in natural and artificial breeding.
- 284 LIVESTOCK PRODUCTION SKILLS** 3 F
AGR 170 req. Lecture and lab. Cons inst req. Field trips.
Study and mastery of skills required in livestock production and different methods and tools used to perform these skills.
- 285 MEAT SCIENCE** 3 S
Lecture and lab. Materials charge optional.
Comprehensive treatment of the meat industry and presentation of basic facts about one of our most important food products.
- 286 BEHAVIOR OF DOMESTIC ANIMALS** 3 S
AGR 170 rec.
Behavioral patterns and systems, group formations, socialization, physical environment, genetic and physiological factors as they relate to domestic animals.
- 288 ADVANCED LIVESTOCK AND DAIRY CATTLE SELECTION** 3 F
AGR 280 req. Lab and field trips. Formerly ADVANCED LIVESTOCK SELECTION.
Judging various species of livestock in relation to their functions in the show ring and market and the presentation of oral reasons.
- 290 HORSE SCIENCE** 3 S
AGR 170 or documented evidence of 3 years experience with horses req. Offered odd-numbered years.
Anatomy, physiology, nutrition, and genetics applied specifically to horses.
- 295 SUMMER INTERNSHIP IN AGRICULTURAL EDUCATION** 3 Summer
Adm to Teacher Ed req. Incl Clin Exp.
Experience in the profession of agricultural education in high school. Includes program planning and working with special-needs students.
- 302 SPECIAL PROBLEMS IN AGRICULTURE** 1-3 F,S,Summer
Maj/min in AGR or AGR Bus; 2.5 GPA req. May be repeated; max 6 hrs.
Special work in research interests of student and staff. Projects must be approved by the staff member and the chairperson of the Department.
- 303 SEMINAR IN AGRICULTURE** 1 F,S
Sr or grad standing req.
- 310 RURAL APPRAISALS** 3 F,S
AGR 216 or 318 or ACC 131 rec, and an academic background in agriculture. Field trips.
Principles, procedures, and terminology for evaluating rural property; preparation of appraisal reports as currently prepared by qualified and experienced rural appraisers.
- 312 ADVANCED FARM ACCOUNTING** 3 S
AGR 213 and 216 req. Compucard charge optional.
Advanced farm business records and analysis with emphasis on computer applications.
- 313 ADVANCED FARM MANAGEMENT** 3 S
AGR 213 and 216 req.
Farm business decisions and their interrelationships. Examination of statics, dynamics, and uncertainty in agricultural decision-making.
- 314 GRAIN MARKETING** 3 F,S
AGR 214 req.
Economics and marketing problems in grain industry; emphasis on futures marketing.
- 315 FINANCIAL MANAGEMENT AND ANALYSIS OF THE AGRIBUSINESS FIRM** 3 F
AGR 215, MAT 120, and AGR 216 or ACC 131 or cons inst req.
Application of quantitative concepts and methods to the analysis and financial management of proprietary and cooperative agribusiness firms.
- 316 LIVESTOCK MARKETING** 3 S
AGR 214 req.
Economic principles applied to marketing of livestock and livestock products. Consideration given to producers, processors, and distributors.
- 318 AGRICULTURAL FINANCE** 3 F
AGR 216 or ACC 131 req.
Principles of agricultural finance including the capital requirements, the sources of credit, and the optimum uses of capital.
- 319 AGRICULTURAL POLICIES AND PROGRAMS** 3 F
AGR 110 req.
History and impact of governmental intervention in agriculture. Examination of major agricultural programs, past and present.
- 320 FARM COMMODITY PRICING** 3 F
AGR 214 req.
Theory and mechanics of price determination for agriculture commodities.
- 340 EQUIPMENT FOR PRODUCING AND HANDLING AGRICULTURAL PRODUCTS** 3 F
AGR 130 req. Lecture, lab and field trips. Offered odd-numbered years.
Selection, design, operation, adjustment, and maintenance of machinery and equipment used in producing, storing, and processing agricultural products.
- 352 TURF MANAGEMENT** 3 F
AGR 150 or BSC 196 or 197 req. Offered even-numbered years.
Principles and practices used in management of turf-grasses, residential and recreational turf.
- 353 LANDSCAPE DESIGN AND CONSTRUCTION** 3 S
AGR 252 and 255 req. Lectures and practice in landscape design. Offered even-numbered years.
Problem approach to landscape design and construction. Site surveys and analyses. Plant selection and preparation of functional designs.

355 PLANT BREEDING 3 S*AGR 272 req. Offered even-numbered years.*

Breeding procedures and techniques used in developing new varieties of field crops.

356 PLANT PROPAGATION 3 S*AGR 150 or BSC 196 or 197 req. Lecture and lab.**Offered odd-numbered years. Materials charge optional.*

Basic principles and commercial practices involved in sexual and asexual propagation of agricultural plants.

357 SOIL FERTILITY AND FERTILIZERS 4 S*AGR 157 req. Lecture, lab and field trips.*

Fundamental concepts of soil fertility and fertilizer manufacturing. Plant nutrition, factors affecting plant growth, soil-plant relationships, and macro- and micro-nutrients.

358 SOIL MANAGEMENT 4 F*AGR 157. Lecture and lab.*

Applications of physical and chemical properties of soils to their management.

363 AGRICULTURAL EXPERIMENTATION 3 S*Must have completed 3 of the following 5: AGR 110, 120, 130, 150, 170; MAT 120 or 144 req. Lecture and lab.**Offered odd-numbered years.*

Principles of agricultural research for plant and animal sciences; includes design, data collection, interpretation, and presentation of results.

372 LIVESTOCK BREEDING 3 S*AGR 272 or BSC 319 req. Offered even-numbered years.*

Reproduction and principles of heredity and their application to livestock breeding; population genetics, inbreeding, relationship, outbreeding, and selection.

373 REPRODUCTIVE PHYSIOLOGY 3 S*AGR 170 req.*

Reproduction in livestock, anatomy of the reproductive and hormonal systems, physiological and hormonal aspects of lactation.

374 DAIRY CATTLE FEEDING AND MANAGEMENT 3 S*AGR 274 req. Field trips.*

Feeding and management of dairy cattle as they relate to an economic dairy farm operation.

375 ANIMAL NUTRITION 3 F*AGR 170, 171 req. Field trips. Offered odd-numbered years.*

Science of animal nutrition; special attention to recent discoveries pertaining to the protein, mineral, and vitamin requirements of livestock.

396 METHODS AND PROCEDURES IN AGRICULTURAL EDUCATION 5 S*Incl Clin Exp.*

Procedures in planning, conducting, and evaluating an agricultural education program; philosophical inquiry in education; teaching special-needs students.

398 PROFESSIONAL PRACTICE:INTERNSHIP IN AGRICULTURE 1-6 F,S,Summer*Maj in any AGR program; 2.5 GPA; 8 hrs of course-work in intern area; approved application req. May be repeated; max 6 hrs.*

Supervised on-the-job experience in an agriculture setting. Minimum 45 hrs experience/credit.

APPLIED COMPUTER SCIENCE (ACS)

133E Stevenson Hall, (309) 438-8338

Chairperson: Lawrence C. Eggan.

Tenured/Tenure-track Faculty:

Professors: Beccue, C. Chrisman, Eggan, Hartman.

Associate Professors: G. Chrisman, Crow, Doss, Gyires, Rariden, Sanders, Swafford.

Assistant Professors: Brumbaugh, Cook, Kephart, Lim, Muthuswamy, Vila, Wallace.

Other Faculty:

Lecturers: Fulton, Geigner, Hilgenbrink, Holbrook, Plickebaum, Rogers, Stemler, Weaving, Wheeler, Wiese, Woodbury, Zachow.

Administrative/Professional: Crow, Genung, Hansen, Kolodzieski, Rathke.

Applied Computer Science Programs

Degree Offered: B.S.

The ACS Major is designed to prepare professionals in Computer Science and Information Systems including such areas as computer information systems, software engineering, and data processing. The curriculum has a strong practical emphasis on the application of computer and systems techniques to real world problems. Practical skills are balanced with exposure to the concepts that underlie the field of computing. This program requires substantial communication skills as well as technical skills in computing, information technology and networks. The ACS Minor is intended to provide for the computing needs of majors in other disciplines. These people will normally use computers as tools in their chosen profession or provide limited computer and systems support for their work group, but not be computing professionals.

There are two sequences in the ACS Major: Computer Information Systems and Technical Systems. A common core of 5 courses (16 hours) provides a foundation for each sequence. The Computer Information Systems Sequence requires a minor or second major and 26 hours of supporting requirements as specified below. The Systems Development Concentration achieves a greater depth in analysis and design techniques and provides electives in emerging technologies. In contrast, the PC/Networking Concentration provides students with greater technical and practical knowledge about networking and workstations. The Technical Systems Sequence requires 43 hours in the supporting areas of Mathematics, Science, Communication and Organization.

Preparation for Graduate Study: Several directions are available to students who wish to prepare for graduate work. The Computer Information Systems Sequence offers excellent preparation for a growing number of computer and management information system master's programs. Students interested in an MBA program should combine the CIS Sequence with a Business Administration Minor. The Technical Systems Sequence should be elected by those students interested in traditional Computer Science graduate programs. Any student interested in graduate school should discuss options with faculty and an academic advisor during the junior year.

PROFESSIONAL PRACTICE

Each program includes a practical experience that may be satisfied by a directed project, an internship, or a coop assignment. A coop/internship experience is the expected way to satisfy this requirement. ACS 191 (1 hr) is required and recommended in the sophomore year. Three hours of ACS 391/398 are counted toward the ACS Major for this experience; however, the hours in 391/398 alone do not satisfy the practical experience requirement. If ACS 398, coop/internship, is elected, the student must register for at least six hours. Application must be made at the ACS Office six weeks prior to the start of the term in which the coop experience is to occur. Each directed project, internship, or coop assignment requires the prior approval of the ACS Coordinator of Professional Practice. The three hours of Professional Practice credit counted toward the ACS major will be graded. Additional Professional Practice credit will be earned on a CR/NC basis. A maximum of sixteen hours of Professional Practice credit (ACS 391, 398) may be applied toward graduation. *A student may not register for ACS 398 during the last semester of their studies.*

Academic Policies: The following policies apply to ACS majors: *Grades:* Only courses in which the student has received a grade of "C" or higher may be counted toward the ACS hours required for the Major. A grade of "C" or higher is required in all prerequisite courses.

NOTE: Students who have been dropped from the ACS Major must meet current Change of Major admission requirements in order to be readmitted as an ACS major.

Admission Policies: A student may enter the ACS Major as a new freshman, a transfer student, or as a change of major at Illinois State University. Minimum qualifications exist in each of these categories. New freshmen who meet the University's admission standards may elect to become an ACS major. GPA requirements for transfer student admission are the same as the Change of Major (within Illinois State). To apply for the ACS Major, students should contact the Department for the current Change of Major policy.

HONORS IN APPLIED COMPUTER SCIENCE

The Department offers honors work in either program to highly qualified juniors and seniors. Candidates must have a 3.3 overall GPA and a 3.5 GPA in ACS. Honors requirements involve honors coursework and the preparation of a substantial research paper or the completion of a significant application project prepared under the guidance of a faculty advisor. For further information contact the Director of Honors.

BUSINESS MINORS

Those students who choose a minor in the College of Business (usually 21-25 hours) should be aware that there are limits on the number of hours that can be taken in the College of Business. For more information contact a College of Business advisor.

MAJOR IN APPLIED COMPUTER SCIENCE

Computer Information Systems Sequence: Designed for the student who will seek a position as an Information Systems professional or PC/LAN support person or is interested in pursuing graduate studies in Information Systems.

- 39-40 hours are required in the Major.
- ACS Core (16 hrs): ACS 160, 168, 169, 254, 261.

- Practical Experience (4 hrs): ACS 191, either ACS 398 or ACS 391.
- Concentration (19-20 hrs):
Systems Development Concentration:
 - ACS 272, 363, 372, 378.
 - 2 of: ACS 341, 346, 352, 365, 367, 368, 375, 376.
 PC/Networking Concentration:
 - ACS 275, 372, 375, 377.
 - 1 of: ACS 363, 378.
 - 1 of: ACS 355, 383.

Supporting Requirements (26 hrs):

- Mathematics (8 hrs): MAT 120, 160;
- A statistics course (3 hrs): e.g., MQM 100 or PSY 240.
- Communication and Organization (15 hrs): COM 110, COM 223, ACC 131, MQM 220, and either ENG 249 or BEA 240.
- A minor or second major in another department must be completed. Recommended areas are Business Administration, Communication, Accounting, and Economics.
- Depending on the minor selected, there may be substantial overlap of required courses with the Minor. Of the required courses, six hours are part of University Studies.

Technical Systems Sequence: Designed for students interested in pursuing graduate studies in Computer Science or working for software houses or computer companies.

- 44 hours are required in the Major.
- ACS Core (16 hrs): ACS 160, 168, 169, 254, 261.
- Technical Requirements (9 hrs): ACS 279, 325, 327.
- Practical Experience (4 hrs): ACS 191, either ACS 398 or ACS 391.
- Electives (15 hrs): All electives must come from the following lists of ACS and Mathematics courses, subject to the indicated restrictions.
 - a. At least 3 of: ACS 326, 328, 340, 341, 352, 355, 356, 367, 375, 378, 383, 385, 386, 388.
 - b. At most 1 of: ACS 275, 276.
 - c. At most 1 of the following Mathematics courses: MAT 147, 175, 210, 351, 360, 361, 363, 368, 370.

Supporting Areas (43 hrs):

- Mathematics (15 hrs): MAT 145, 146; 1 of MAT 160 or 260; 1 of MAT 350, MQM 100, or PSY 240.
- Science (16 hrs): Either CHE 140 and 141 or PHY 108 and 109 plus 6 more hours in a laboratory science.
- Communication and Organization (12 hrs): COM 110, 223; ENG 249, and either MQM 220 or COM 329.

Fifteen hours of University Studies requirements may be met by careful selection of courses from the supporting areas.

MINOR IN APPLIED COMPUTER SCIENCE

Minors are intended to help majors in other departments focus on specific skills and electives which are relevant for their career needs.

It is expected that most students who choose the Technical Systems Minor will have a major in Mathematics, one of the natural sciences, or Mathematics Education. The courses required provide a solid foundation for using computers as effective tools within a chosen profession.

Technical Systems Sequence:

- 22 hours required.
- ACS Core (16 hrs): ACS 160, 168, 169, 254, 261.
- ACS 279.
- 1 of: ACS 275, 276, 327, 328, 340, 341, 352, 356, 388.

Within the Computer Information Systems Minor, the Application Development Concentration is a general minor while the Information Specialist Concentration is more narrowly targeted. The Information Specialist Minor will provide students with the computer skills to be self-sufficient in meeting many of their own information needs as well as support those of their work group peers. This Minor emphasizes using appropriate end user tools rather than programming as a means of obtaining information.

Computer Information Systems Sequence:

- 22 hours required.
- Required courses (10 hrs): ACS 160, 168, 261.
- Concentration requirements (12 hrs):
Application Development Concentration:
 - ACS 169, 254.
 - 1 of: ACS 341, 352, 355, 363, 367, 368, 375, 378.
 - 1 additional 200- or 300-level ACS course (at least 3 hrs).
- Information Specialist Concentration:
 - ACS 208, 251, 306.
 - 1 of: ACS 169, 341, 352, 363, 367, 368, 378.

Special Applications Sequence: 23 hours required. For students interested in applying the computer in an area or in a way not covered adequately by one of the other sequences. A program of study must be approved by an advisor from ACS and the student's major advisor before the student has completed nine hours in computer related courses. The approved Minor program must include a two-semester sequence in a high-level programming language and an appropriate systems or research methods course.

Applied Computer Science Courses

140 INTRODUCTION TO THE COMPUTER WORLD 3 US-7 F,S,Summer *Not for cr ACS maj/min. Materials charge optional.*

A nontechnical course designed to develop effective computer users and to acquaint the students with the impact of computers on the person and society. No previous computer experience or mathematics requirements necessary.

150 USING MICROCOMPUTER PRODUCTIVITY TOOLS 3 US-7 F,S,Summer *Not for cr if had BEA 125. Not for cr ACS maj/min. Materials charge optional. Compucard charge optional.*

Introduction to typical microcomputer-based productivity tools such as word processing, spreadsheets, databases, graphics, and communications.

155.01 INTRODUCTION TO MICROCOMPUTERS 3 US-7 F,S,Summer *Not for cr ACS maj/min, or if had 155.02 or 255. Lecture and lab. Compucard charge optional.*

Introduction to microcomputers and programming, with general, business, and artistic applications emphasized. BASIC programming including graphics; simple disk I/O; application software packages; comparative analysis of microcomputer systems.

155.02 INTRODUCTION TO MICROCOMPUTERS 3 US-7 F,S, *Not for cr ACS maj/min, or if had 155.01 or 255. Lecture and lab. Materials charge optional. Compucard charge optional.*

Introduction to microcomputers and programming, with scientific and technical applications emphasized. BASIC and machine language programming including I/O, elementary files, application software, and hardware and software evaluation.

160 INTRODUCTION TO APPLIED COMPUTER SCIENCE 3 F,S,Summer *Materials charge optional. Compucard charge optional.*

Concepts of computer-based systems; computer hardware, software, and organizational environments; system categories, delivery modes; systems development methods; career opportunities, responsibilities.

164 INTRODUCTION TO FORTRAN PROGRAMMING 3 US-4 F,S,Summer *C or better in MAT 104 or high school equiv req. Also offered as MAT 164. Not for cr ACS maj/min or if had ACS 273. Compucard charge optional.*

An introduction to programming using the FORTRAN language including built-in functions, subprograms, and sequential file processing.

165 COMPUTER PROGRAMMING FOR SCIENTISTS 4 F,S *MAT 145 Req. Not for cr ACS maj/min. Compucard charge optional.*

Introduction to computer programming emphasizing numerical algorithms for scientific applications. Problem analysis and operating system concepts included. Programs developed in FORTRAN.

166 SCIENTIFIC PASCAL 3 US-4 F,S *C or better in MAT 119 or equiv req. Also offered as MAT 166. Not for cr ACS maj/min. Compucard charge optional.*

Introduction to Pascal language; techniques for problem solving, algorithm development, program construction, and mathematical applications.

168 STRUCTURED PROBLEM SOLVING USING THE COMPUTER 4 US-4 F,S,Summer *C or better in MAT 104 or high school equiv req. Recommended as one of the first course in the ACS maj. Lecture and lab. Compucard charge optional.*

Introduction to the development of algorithms for computer systems processing. Emphasis on structured problem solving and the design of problem solutions.

169 COMPUTER APPLICATION DEVELOPMENT 3 F,S,Summer *ACS 160; A or B in ACS 168 or cons dept chair req. Not for cr if had ACS 274. Compucard charge optional.*

The design, development, and implementation of computer application systems, including file and data structures.

191 INTRODUCTION TO ACS PROFESSIONAL PRACTICE 1 S *ACS 160 and 168 req.*

Researching available positions, interpreting job descriptions, interview skills, preparing a resume, benefits of a Professional Practice experience.

208 INFORMATION AND DATABASE ACCESS 3 F *ACS 150, 155, or 160 req. Compucard charge optional.*

Techniques for retrieving, displaying and reporting data from databases; importing data to/from other software tools; creating simple databases.

251 USING HARDWARE AND SOFTWARE ENVIRONMENTS 3 S *ACS 160 and either ACS 168 or 155 req. Compucard charge optional.*

How to effectively use workstation computing environments; network concepts and use; managing hardware and software resources.

- 254 HARDWARE AND SOFTWARE CONCEPTS** 3 F,S,Summer
ACS 160 and ACS 168 req. *Compucard charge optional.*
Overview of nature and interrelationships of computer architectures, hardware, operating systems, data types, programming languages, application development facilities, networks, communications.
- 255 MICROCOMPUTER APPLICATION AND DESIGN I** 3 F,S,Summer
ACS 169 or grade of A in ACS 155 req. *Compucard charge optional.*
Introduction to hardware/software microcomputer architecture. Microcomputer and peripheral configurations for various applications. High-level language programming and file manipulation.
- 261 SYSTEMS DEVELOPMENT I** 3 F,S,Summer
ACS 169 and 254) or (168, 208, and 251) req. *Compucard charge optional.*
Information systems development, development methodologies, analysis and design techniques and tools, relational database concepts.
- 272 COBOL AS A SECOND LANGUAGE** 4 F,S,Summer
ACS 169 req. *Not for cr if had ACC 366. Compucard charge optional.*
COBOL language for students with substantial programming experience in another language. Emphasizes structured problem-solving and programming.
- 274 PL/I AS A SECOND LANGUAGE** 4 F,S
2-sem seq in a high-level programming language req. *Not for cr if had ACS 169. Compucard charge optional.*
Intensive study of the PL/I language for students with previous programming experience. Emphasizes structured problem-solving and programming.
- 275 C AS A SECOND LANGUAGE** 4 S
C or better in ACS 169 or equiv req. *Compucard charge optional.*
Intensive study of the C programming language for students with previous programming experience.
- 276 SOFTWARE ENGINEERING IN ADA** 3 F
ACS 169 and 261 req. *Compucard charge optional.*
Introduction to the basic concepts of software engineering and their use in developing programs in the Ada language.
- 278 DATA STRUCTURES** 3 F,S,Summer
ACS 169 or ACS 274 req. *Compucard charge optional.*
Data representation and organization, structuring of data, lists, stacks, trees, queues, sorting, merging, and file organization maintenance.
- 279 ALGORITHMS AND DATA STRUCTURES** 3 F
ACS 169, MAT 160 or 260 req. *Compucard charge optional.*
Data structures, algorithms, mathematical foundations of computer science. Topics include lists, trees, graphs, sorting, searching, correctness, computational complexity, parallel algorithms.
- 283 ASSEMBLER LANGUAGE PROGRAMMING** 3 F,S,Summer
ACS 169 or equiv, or grade of A or B in ACS 164 req. *Compucard charge optional.*
Assembler language programming, macro language, and debugging compiler level programs via-dumps.

- 288 ADVANCED ASSEMBLER LANGUAGE PROGRAMMING** 3 F
ACS 283 req. *Compucard charge optional.*
Programming techniques using major components of BAL including sequential access methods, subroutine linkage, interrupt processing, dynamic storage allocation.
- 306 BUILDING APPLICATIONS SYSTEMS** 3 S
ACS 261 req. *Compucard charge optional.*
Creating applications using end user development tools; prototyping; human/software interface design; end user development issues.
- 325 COMPUTER ORGANIZATION** 3 S
ACS 283 or 254 req. *Compucard charge optional.*
Hardware and software topics in computer organization: instructions, modalities, control units, memories, data paths, uniprocessors, and multiprocessors.
- 326 PRINCIPLES OF SOFTWARE ENGINEERING** 3 S
ACS 169 and 261 req. *Offered odd years. Compucard charge optional.*
Fundamentals of software engineering. topics include specification models, metrics, design fundamentals, interface design, quality assurance, and automated tools.
- 327 CONCEPTS OF PROGRAMMING LANGUAGES** 3 F
ACS 169 req. *Compucard charge optional.*
Survey of pragmatic, syntactic and semantic structure of programming languages. Procedural, logic-oriented, object-oriented and other contemporary languages included.
- 328 INTRODUCTION TO THE THEORY OF COMPUTATION** 3 F
ACS 279 req. *Offered even years.*
Basic concepts in computing theory. Topics include recursive definitions, regular expressions, transition graphs, automata, nondeterminism, grammars, parsing, decidability, Turing machines.
- 340 INTRODUCTION TO ARTIFICIAL INTELLIGENCE** 3 S
ACS 279 req. *Offered even years. Compucard charge optional.*
Introduction to concepts in artificial intelligence, including: knowledge representation, heuristic search, production systems, expert systems, natural language, and learning.
- 341 OBJECT-ORIENTED SYSTEM DEVELOPMENT** 3 S
ACS 261 req. *Compucard charge optional.*
Main concepts of object-oriented technology and a comprehensive methodology for system development. Object-oriented analysis, design, and implementation including object-oriented databases.
- 346 KNOWLEDGE ENGINEERING** 3 S
ACS 363 req. *Compucard charge optional. Offered odd years.*
In-depth study of knowledge-based systems and the knowledge engineering process; use of expert systems tools to construct applications.
- 352 MULTIMEDIA TECHNOLOGY APPLICATIONS** 3 F
ACS 261 req. *Compucard charge optional.*
Practical principles, methods, and tools for the design and development of multimedia applications; authoring languages; multimedia technology hardware and trends.

355 MICROCOMPUTER APPLICATION AND DESIGN II**3 F,S**ACS 254 or 255 req; ACS 283 rec. *Compucard charge optional.*

Microcomputer applications with an emphasis on basic microcomputer architecture, interfacing peripherals, machine language programming, and system software design.

356 INTRODUCTION TO COMPUTER GRAPHICS**3 F**ACS 278 or 279; MAT 147, 175 req. *Compucard charge optional.*

Graphics Systems: hardware, software, people. 2-D and 3-D Algorithms: lines, curves, polygons, surfaces, transformations. Applications: presentation graphics, packages.

363 SYSTEMS DEVELOPMENT II**4 F,S**ACS 261 or 12 hrs in ACS; COM 223 req. *Compucard charge optional.*

Emphasis on Analysis and Design techniques and tools, Project communication, Systems development methodologies, Interface design. Systems Development team project.

364 SOFTWARE DESIGN**3 F,S,Summer**ACS 363 req. *Compucard charge optional.*

Structured design methodologies and implementation strategies in information system software development. Emphasizes design, accurate reflection of the problem, correctness, reliability, maintainability.

365 SYSTEMS DEVELOPMENT TOOLS AND ISSUES**3 F**ACS 363 req. *Compucard charge optional.*

Modern systems development tools, implementation issues related to modern tools, techniques, and methodologies; emerging type of systems being developed.

367 DESIGNING THE USER INTERFACE**3 S**ACS 261 req. *Compucard charge optional.*

Human factors issues in developing information systems: task analysis, user interface design guidelines, psychological principles, prototyping interfaces, and user evaluation.

368 TOPICS IN SYSTEMS DESIGN**3 F,S**ACS 363 req. *Materials charge optional. Compucard charge optional.*

Advanced topics in systems analysis, design, and development.

372 EXTERNAL DATA STRUCTURES**3 F,S,Summer**ACS 272 req. *Compucard charge optional.*

External file design, VSAM, IBM utilities and sort/merge, basic concepts of IBM/MVS operating systems, and extensive study of JCL. Programming in COBOL.

375 INTRODUCTION TO DATA COMMUNICATIONS**3 F,S,Summer**ACS 169 and (254 or 255) or 2-sem seq in high-level programming language req. *Compucard charge optional.*

Introduction to hardware and software used in data communications and networking. Network types, architectures, protocols and standards. Local area and packet networks.

376 INTRODUCTION TO ONLINE SYSTEMS**3 F,S**ACS 372 req; ACS 261 or 363 rec. *Compucard charge optional.*

Design, development, and implementation of online system applications using CICS with studies in data communications concepts, hardware/software, man-machine interaction, networking, and distributed processing.

377 PRACTICAL TELECOMMUNICATIONS NETWORKING**3 F**ACS 375 req. *Compucard charge optional.*

Design, configure, operate and use local area networks, network applications, and wide area network concepts. Emphasizes hands-on use of a network operating system.

378 DATABASE PROCESSING**3 F,S,Summer**ACS 261 or 363 req. *Compucard charge optional.*

Database concepts, emphasis on relational databases, SQL, data modeling, database design, DBMS functions, database application programming, current trends, design project.

379 TELECOMMUNICATIONS NETWORK OPERATIONS AND MANAGEMENT**3 F,S**ACS 377; IT 383; ECO 322; MQM 220 req. *Compucard charge optional.*

Overview of process of operating and managing large scale telecommunications networks; capstone course for Telecommunications Management major.

383 PRINCIPLES OF OPERATING SYSTEMS**3 S**ACS 254 or 283 req. *Compucard charge optional.*

Functional criteria for operating system design. Job management, task management, data management, resource allocation and dump and trace facilities.

385 TOPICS IN COMPUTER SCIENCE**3 S**Jr/sr standing req. *Prereq vary with topic chosen. May be repeated if content different. Materials charge optional. Compucard charge optional.*

In-depth study of a topic such as compiler design, artificial intelligence, programming language and digital logic design.

386 ANALYSIS OF ALGORITHMS**3 S**ACS 279, MAT 145, and either MQM 100, MAT 350, or PSY 240 req. *Offered alternate years. Compucard charge optional.*

In-depth study of formal techniques for analyzing the efficiency of both serial and parallel algorithms.

388 INTRODUCTION TO PARALLEL PROCESSING**3 F**ACS (278, 283) or (254, 279) req. *Offered even years. Materials charge optional. Compucard charge optional.*

This course includes the study of parallel processors and their software environments. Students will write programs for several parallel computers.

391 DIRECTED PROJECT IN APPLIED COMPUTER SCIENCE**1-6 F,S**ACS 364, and 372 or 355 or 288 req. *ACS maj only. May be repeated; max 16 hrs combined cr in ACS 298, 391, 398. Compucard charge optional.*

Team design and/or implementation of a modest-sized computer-based system in a live environment under faculty supervision.

398 PROFESSIONAL PRACTICE: IN APPLIED COMPUTER SCIENCE**1-6 F,S,Summer**

By application and prior approval of ACS Prof Pract Coord only. ACS maj only. May be repeated; max 16 hrs cr in Prof Pract; max 3 hrs Prof Pract maj. ACS 398.60 on CRNC basis only.

398.50 PROFESSIONAL PRACTICE: COOP I IN APPLIED COMPUTER SCIENCE**398.60 PROFESSIONAL PRACTICE: COOP II IN APPLIED COMPUTER SCIENCE**

CRIMINAL JUSTICE SCIENCES (CJS)

401 Schroeder Hall, (309) 438-7626

Chairperson: Henry Lesieur.

Tenured/Tenure-track Faculty:

Professors: Lesieur, Morn, Smith, Weisheit.

Associate Professors: Cox, Ellsworth, Fleisher, Wells.

Assistant Professors: Falcone, Guyon, Kethineni.

Other Faculty:

Visiting Faculty: Assistant Professors: Butler, Taseff, Knecht.

Lecturers: Barker.

Administrative/Professional: Goodman, Shelton.

Criminal Justice Sciences Programs

Degrees Offered: B.A., B.S.

The purpose of the Criminal Justice Sciences Program is to provide the student with a system orientation to the field of Criminal Justice. Study in Criminal Justice involves the application of the principles of Criminal Justice and the related behavioral and social sciences to problems and issues in the field of Criminal Justice. The program focuses on the building of knowledge in the areas of law enforcement, courts, and corrections from a social science perspective. Students develop a knowledge base for an in-depth understanding of human behavior and the kinds of problems and circumstances that often result in criminality. Finally, the program provides students with the opportunity to gain necessary skills in the area of interviewing, program development, community organization, planning and research to function in a professional position in the field of Criminal Justice.

Admission of New Students into the Criminal Justice Science Major:

- Incoming freshmen will be classified as Criminal Justice majors at their request if they have an ACT of 17 AND they are in the UPPER HALF of their graduating class.
- Transfer students will be classified as Criminal Justice majors if they have a transfer GPA of 2.4.

Admission of Continuing Students into the Criminal Justice Science Major:

- Students must make formal application to the major by placing themselves on the departmental waiting list.
- In order to be admitted into the Criminal Justice Major students must be in academic good standing at Illinois State University and have completed all of the following courses: ENG 101, 145; PSY 111; SOC 106; and CJS 101. Grades for these five courses must be a minimum of two (2) "Bs" and three (3) "Cs." No "Ds" or "Fs" will be acceptable. (If you want a CJS Major you must REPEAT any course with less than a "C").
- A student who enters the University through the Adult Learner program must complete at least 12 hours at Illinois State University and have completed courses as stipulated in "b" above before admission to the Criminal Justice Program will be made.
- A student who returns to the University in the New Start program as a Continuing Student when he/she completed the courses as stipulated in "b" above.

THE DEPARTMENT OF CRIMINAL JUSTICE SCIENCES RESERVES THE RIGHT TO MAINTAIN A BALANCED ENROLLMENT.

- This may restrict the numbers of freshmen, transfer students, and continuing students who wish to be Criminal Justice Science majors.
- Most Criminal Justice Science courses are restricted to CJS majors.

Criminal Justice Sciences Retention Policy: Criminal Justice Sciences majors must maintain a cumulative GPA of at least 2.4 every semester. If, at any given time, a student's GPA falls below a 2.4 that student may be removed from the major and reclassified as a General Student. After a student is reclassified as a General Student, all rights as a major are forfeited, including the right to be eligible to do the Criminal Justice Sciences internship.

Students who have been reclassified must meet regular admission requirements (i.e. 2.4 GPA) to be eligible for re-admission to the Major.

MAJOR IN CRIMINAL JUSTICE SCIENCES

- 55 hours required.
- Required courses: CJS 101, 200, 201, 207, 300, 304, 395, 398.01 (6 hrs)*, 398.02 (6 hrs)*.
- 22 hours of electives selected with the approval of an academic advisor. A minimum of 12 hours must be selected from Illinois State University Department of Criminal Justice Sciences course offerings. The remaining electives must be taken from the list of recommended courses from other departments at Illinois State University, additional CJS courses, or may be appropriate transfer credit. Elective courses recommended in other departments: FOR 111, 112, 115, 116 (max 8 hrs); POS 215, 231, 281, 330, 331; PSY 131, 232, 302, 350; SOC 131, 221, 263, 264, 365, 367; SED 362; FIL 208; MQM 220, 221. Students who major in Criminal Justice Sciences must complete the following courses or equivalents: ENG 145; SOC 106; PSY 111.

*Students seeking enrollment in CJS 398.01 and 398.02 must take CJS 395 the semester just prior to their internship semester. During this course students will be made aware of internships that are available. Necessary paperwork for application to the internship will be received and completed during mandatory meetings set by the Internship Coordinator. To be eligible, the student must have: 1) completed 90 semester hours, 2) an overall and major GPA of 2.4 at the time referrals are made, and 3) completed all required courses including ENG 145, SOC 106, PSY 111, and CJS 395. CJS 398.01 and 398.02 may be waived for students who have completed 1 or more years of appropriate employment in a criminal justice agency. If a waiver is granted, the student will be required to complete the equivalent number of hours of coursework (12 hrs). All waivers and the 12 hours of equivalent coursework must be approved by the Department's academic advisor. Students who have completed accredited corrections and/or police training may substitute this training for a portion of the internship with departmental approval. Students eligible for an internship will, with the assistance of the internship coordinator, choose an agency from a list of approved agencies. Students may also participate in out-of-state internships.

MINOR IN CRIMINAL JUSTICE SCIENCES

- 21 hours required.
- Required courses: CJS 101, 200, 201, 207, 304.
- 6 hours of electives selected, with the approval of an academic advisor, from the Department of Criminal Justice Sciences course offerings or appropriate transfer credit.

NOTE: Space in CJS courses is limited for non-majors.

HONORS IN CRIMINAL JUSTICE SCIENCES

The Department offers honors study in Criminal Justice Sciences to highly qualified students who will pursue an individualized program of study. The Honors Program enables the superior student to focus on topics of the student's own choosing in close consultation with a Department faculty member. In order to qualify, the student must have achieved a GPA of 3.30 or better, both overall and in the major. The student must complete an independent study worth at least 3 hours credit (CJS 299-Independent Honors Study) and must complete at least an additional 3 hours credit of in-course honors or honors-undergraduate research (IDS 285 or 286) in the Department. In addition to the 6 hours credit for Department Honors, the student must also complete SOC 275 (Social Statistics) or its equivalent with a grade of "B" or better. Students interested in participating in the Honors Program should inquire about admission in the Office of the Department of Criminal Justice Sciences.

Criminal Justice Sciences Courses**101 INTRODUCTION TO CRIMINAL JUSTICE SCIENCES 3 US-7 F,S,Summer**

An analysis of the criminal justice system focusing on the police, courts, and corrections.

200 CONTEMPORARY CORRECTIONS 3 F,S,Summer

CJS 101 req. Maj/min only or cons dept advisor.

Familiarizes students with correctional alternatives as they currently exist. Controversies and emerging trends in corrections will be considered.

201 CRIME AND BEHAVIOR 3 F,S,Summer

CJS 101; SOC 106; PSY 111 req. Maj/min only or cons dept advisor.

Theoretical and conceptual explanations of criminal behavior.

206 FUNDAMENTALS OF CRIMINAL INVESTIGATION 3

CJS 101 req. Maj/min only or cons dept advisor.

An intensive analysis of the criminal investigation process including information gathering and analysis, preservation of evidence, legal issues, and investigative strategies.

207 CONTEMPORARY POLICING IN AMERICA 3 F,S,Summer

CJS 101 req. Maj/min only or cons dept advisor.

Survey of law enforcement, its history, police practices, functions, and related issues and concepts of contemporary police.

212 COMMUNITY-BASED CORRECTIONS 3

CJS 101; ENG 145 req; CJS 200 rec. Maj only. Not for cr if had both COR 202 and 203. If had COR 202 but not 203, can be substituted for COR 203 for students under catalogs prior to 1982-83. If under catalog prior to 1982-83 and have had neither COR 202 nor 203, may substitute CJS 212 and 3 hrs of CJS electives, selected with cons dept advisor.

Theoretical basis, current methodology, and operations: court counselors, citizen action, half-way houses, work-release, drug abuse treatment, detention, reception and diagnostic centers, and probation and parole.

215 JUVENILE JUSTICE 3

CJS 101 req. Maj/min only or cons dept advisor.

The processing and treatment of juvenile offenders. Examines the organization, operation, and goals of the individuals, agencies, and institutions that work with youthful offenders.

240 HISTORY OF CRIMINAL JUSTICE 3

Crime and the American criminal justice system from the colonial period until the mid-20th century.

298.50 PROFESSIONAL PRACTICE: COOPERATIVE EDUCATION IN CRIMINAL JUSTICE 1 Summer

Soph/jr standing; prior dept approval req. CJS maj only. Enrollment limited, based on availability of sites. No cr as dept elective hrs. May be repeated once.

Paid, supervised experiences in local, state, and federal criminal justice agencies.

300 EVALUATIVE RESEARCH OF PROGRAMS IN CRIMINAL JUSTICE 3 F,S

CJS 101 req. Maj only or cons dept advisor.

Analyzing research in criminal justice and systematically evaluating the process and outcome of programs in the field.

303 POLICE ATTITUDES AND BEHAVIOR 3

CJS 101. Maj/min only or cons dept advisor req.

Analysis of police attitudes and behavior focusing on occupational roles, police social systems, community/minority relations and police practices.

304 CRIMINAL LAW 3 F,S

CJS 101 rec. Maj/min only or cons dept advisor.

Survey of criminal law, including development of substantive criminal law. Examination of judicial opinions related to the criminal justice process.

305 RULES OF EVIDENCE FOR THE ADMINISTRATION OF JUSTICE 3

CJS 101 req. Maj/min only or cons dept advisor.

Types of evidence, standards of proof, and legal requirements relating to the admissibility of evidence in court.

310 CORRECTIONAL INSTITUTIONS 3

CJS 101, 200 or cons dept advisor req. CJS maj only.

An intensive analysis of correctional institutions and jails focusing on management issues, inmate subcultures, and prisonization.

322 CORRECTIONAL COUNSELING 3

CJS 201 and cons dept advisor req.

Development of interpersonal communication and decision-making skills for direct intervention with correctional clients.

338 ALCOHOL, DRUGS, AND CRIME 3

CJS 101. Maj/min only or cons dept advisor req.

Analysis of the impact of alcohol and drugs on crime and the criminal justice system.

339 WOMEN IN CRIMINAL JUSTICE 3

CJS 101. Maj/min only or cons dept advisor req.

Historical and theoretical perspectives and contemporary trends concerning women and crime and processing of women by the criminal justice system.

340 ORGANIZED AND WHITE COLLAR CRIME 3

CJS 101. Maj/min only or cons dept advisor req.

Analysis of organized and white collar crime problem in America. Topics include prevalence, impact, laws, and investigative techniques.

360 ISSUES IN CRIMINAL JUSTICE 1-4
Maj/min only or cons dept advisor. May be repeated once; max 6 hrs if content different.
 A critical and analytical study of a contemporary issue or controversy in the field of criminal justice.

369 WORLD CRIMINAL JUSTICE SYSTEMS 3
CJS 101 or cons dept advisor req.
 Analysis of crime and criminal justice systems of selected countries. Emphasis on England, France, Sweden, Japan, and the Soviet Union.

395 CRIMINAL JUSTICE ADMINISTRATION 3-4 F,S
CJS 101, 200, 201, 207, 300 and 304, cons dept advisor. CJS maj only.

Aspects of organizational behavior in criminal justice agencies will be considered to enable the student to better understand on-the-job experiences.

398.01 PROFESSIONAL PRACTICE: CRIMINAL JUSTICE INTERNSHIP I 6 F,S,Summer
CJS 395 and cons dept advisor req. See CJS maj req for enrollment limitations.

Field placement in a criminal justice related agency. Interns work with designated agency personnel and receive an overview of agency functions.

398.02 PROFESSIONAL PRACTICE: CRIMINAL JUSTICE INTERNSHIP II 6 F,S,Summer
CJS 395, 398.01 and cons dept advisor req. See CJS maj req for enrollment limitations.

Intensive experience in a single criminal justice agency setting.

HEALTH, PHYSICAL EDUCATION, RECREATION, AND DANCE (HPR)

215 Horton, (309) 438-8661

Chairperson: L. Marlene Mawson.

Tenured/Tenure-track Faculty:

Professors: Brown, E. Chapman, Imel, Kauth, Liverman, Mawson.

Associate Professors: Brown, N. Chapman, Jones, Kirkendall, Little, Malik, McCaw, Sparks, Stumbo, Verner, Vogler, White.

Assistant Professors: Goodwin, Kief, Kleiner, Lucas, Pankonin, J. Polacek, Ricard, Sorrells, Stephens, Turco, Weith.

Other Faculty:

Faculty Fellow: Associate Professor: Tcheng.

Instructional Faculty: Garcia.

Lecturers: Adams, Arnold, Hopkins, Johnson, M. Polacek, Thompson-Merriman.

Administrative/Professional: Christensen, Leung.

HONORS IN HEALTH, PHYSICAL EDUCATION, RECREATION, AND DANCE

The Department of Health, Physical Education, Recreation, and Dance offers the highly qualified major or minor student an individualized program. Students who are interested apply for admission to the program, offering general academic qualifications. The final designation *Honors in Health, Physical Education, Recreation, and Dance* is earned by

completing the program and fulfilling specific criteria. Additional information may be obtained from the chairperson of the Department of Health, Physical Education, Recreation, and Dance.

Professional Practice: Internship and cooperative education experiences are available at all levels (198, 298, 398) in Dance, Physical Education, and Recreation and Park Administration. Students may earn from 1-16 hours. No more than 16 hours may be applied toward graduation. Professional Practice experiences are supervised work experiences in businesses, agencies, organizations, and institutions and are both paid and unpaid. For further information, contact the Professional Practice Coordinator in your major.

Readmission Policy: Students who have been dropped from the Department because of repeated academic probation may be readmitted after they have repeated D's and F's in courses required by their major, and when their cumulative GPA reaches 2.0 if they are in a non-teaching option or 2.5 if they are in a teaching option in Physical Education. Students majoring in one of the sequences leading to teacher certification in Physical Education must also meet the standards for Teacher Education programs described by programmatic policies for selective admission and retention.

Dance Program

MINOR IN DANCE

- 24 hours in HPR required.
- Required courses: HPR 120, 122, 122.02, 123, 123.02, 124, 125, 162, 163, 165, 367, 368.
- Students must complete one of the following sequences:

NOTE: The Dance placement audition is required for all entering freshmen and transfer Dance students. The Dance placement audition is held at the beginning of each semester to evaluate the present level of technique for a new student. The Dance faculty evaluates the student for placement into the appropriate level course.

Performance Sequence:

- 4 additional hours with advisor approval.

Teacher Education Sequence:

- BSC 181 (US-3) or HPR 181; HPR 260; 267 or 282.

Physical Education Programs

Degrees Offered: B.A., B.S., B.S. in Ed.

MAJOR IN PHYSICAL EDUCATION

- 38 hours required.
- Required courses: 26-hour Core of HPR 160, 180, 181, 182, 254, 257, 280, 280.01, 282; 1 hour from HPR 150.20, 150.50, 150.60, 150.70, 150.80; 1 hour from HPR 151.10, 151.30, 152.20, 152.30; 1 hour from HPR 153.10, 153.20, 153.30, 153.40.
- 12 additional hours from within the Physical Education Program are required for majors not selecting a specialized sequence.
- A minimum of 8 hours of upper-division courses are required, 6 of which must be at the 300-level.
- A second major or minor, or an individualized program by advisement, is recommended.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Teacher Education Sequences:**Program of Study Leading to a 6-12 Certificate:**

- 48 hours in HPR required.
- 26-hour Core courses: HPR 160, 180, 181, 182, 254, 257, 280, 280.01, 282; 1 hour from HPR 150.20, 150.50, 150.60, 150.70, 150.80; 1 hour from HPR 151.10, 151.30, 152.20, 152.30; 1 hour from HPR 153.10, 153.20, 153.30, 153.40.
- 22-hour Sequence courses: HPR 158, 221, 241, 258, 383; 3 hours from HPR 150.20, 150.50, 150.60, 150.70, 150.80; 1 hour from HPR 151.10, 151.30, 152.20, 152.30; 1 hour from HPR 153.10, 153.20, 153.30, 153.40; 2 hours from HPR 154.40, 281, 283, 285.
- Professional Education requirements: C&I 210 or PSY 215; (see C&I Professional Education requirements in this Catalog); STT 399.74.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Program of Study Leading to a K-12 Certificate:

- 51 hours in HPR required.
- 26-hour Core courses: HPR 160, 180, 181, 182, 254, 257, 280, 280.01, 282; 1 hour from HPR 150.20, 150.50, 150.60, 150.70, 150.80; 1 hour from HPR 151.10, 151.30, 152.20, 152.30; 1 hour from HPR 153.10, 153.20, 153.30, 153.40.
- 25-hour Sequence courses: (same listing as the above Sequence courses in the 6-12 Certificate, with the addition of HPR 225).
- Professional Education requirements: C&I 210 or PSY 215; (see C&I Professional Education requirements in this Catalog); STT 399.74, 399.75.

Fitness Leadership Sequence:

- 72 hours required.
- 55 hours in HPR required.
- 26-hour Core courses: HPR 160, 180, 181, 182, 254, 257, 280, 280.01, 282; 1 hour from HPR 150.20, 150.50, 150.60, 150.70, 150.80; 1 hour from HPR 151.10, 151.30, 152.20, 152.30; 1 hour from HPR 153.10, 153.20, 153.30, 153.40.
- 29-hour Sequence courses: HPR 154.40, 281, 283, 285, 298.10, 307, 308, 309, 310, 378.10, 398.10.
- 8 hours University Studies: ENG 101, HEC 106, PSY 111.
- 9 hours Interdisciplinary courses: 1 course from BSC 160, HEC 315, HSC 105, HSC 196, PSY 333; 1 course from BSC 241, PSY 303, PSY 304; 1 course from ACS 150, ACS 155.01, ACS 155.02, ENG 249.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Athletic Training Sequence:

- 55 hours required.
- 26-hour Core courses: HPR 160, 180, 181, 182, 254, 257, 280, 280.01, 282; 1 hour from HPR 150.20, 150.50, 150.60, 150.70, 150.80; 1 hour from HPR 151.10, 151.30, 152.20, 152.30; 1 hour from HPR 153.10, 153.20, 153.30, 153.40.
- 29-hour Sequence courses: HPR 188, 284, 288, 298.10, 378.10, 387, 388, 398.10; 1 hour from 154.40, 281, 283, 285.

- This Sequence meets all necessary academic requirements for certification by the National Athletic Trainers' Association. Students interested in NATA certification should consult the Athletic Training Sequence Coordinator in the Department for further information.
- Graduation requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Selective Admission-Retention Policy For The Programs In Physical Education**Teacher Education Sequence:**

Selective Admission: All Physical Education majors planning to become certified teachers must apply for and be admitted to the University's Teacher Education Program (see Teacher Education Program section of the Catalog). In addition to fulfilling University requirements for admission to Teacher Education, the Physical Education major must have verified the following:

1. A minimum of 8 hours in Physical Education at Illinois State with a minimum grade of "C" in each required Physical Education course taken. The 8 hours must include HPR 158 (Instructional Strategies), HPR 221 (Elementary Physical Education Curriculum), and a minimum of 2 hours in a movement form.
2. A minimum GPA of 2.5 in major/Professional Education required courses.
3. Completion of departmental application for admission to the Teacher Education Program and a projected program plan for graduation through contact with departmental advisor.
4. Participation in a personal interview with the Program Coordinator of Physical Education if so requested.
5. A positive recommendation from the Physical Education Program Coordinator based upon evidence of satisfactory progress from faculty teaching in the major program.
6. Students who fail to meet all requirements for admission to Teacher Education by established deadlines may petition through the Physical Education Teacher Education Sequence Coordinator for an extension of time. All petitions must be approved by the Office of CECF.

Selective Retention: In order to receive departmental approval for a student teaching assignment the student must verify the following:

1. A student, after having been officially admitted to the University Teacher Education Program, must maintain a GPA of 2.5 in the major/Professional Education required courses. A student falling below the required GPA will be placed on probation for one semester. If after one semester, the 2.5 GPA has not been re-established, the student will be dropped from the University Teacher Education Program. The student may reapply for admission upon meeting all of the criteria again.
2. Satisfactory ("C" or better) completion of HPR 258 (Directed Experiences in Physical Education).
3. Satisfactory recommendation from the Teacher Education Sequence Coordinator following completion of the clinical experience in HPR 258.
4. Completion of the following additional courses with a minimum grade of "C": HPR 160, 257, 181, 182, 221, 241, and 282.
5. A student who has not been retained may appeal for reconsideration to the Physical Education Selection-Retention Committee. After consideration, the Committee will either disallow the appeal or approve reinstatement on a probationary basis for a specified period of time.

Entitlements: Completion of the Teacher Certification Sequence in the 46-hour major and the Professional Education requirements entitles the Physical Education graduate to the 6-12 secondary certificate and, the K-12 special certificate if additional student teaching assignments have been completed at the elementary level. Student choice will determine the type of student teaching assignment (elementary and secondary or secondary only) and thus the type of certification entitlement. Students who select a dual student teaching assignment are entitled to both the K-12 and 6-12 teaching certificates when they graduate if they so desire.

Graduation Requirements: All required Physical Education courses must be completed with a grade of "C" or better.

Fitness Leadership Sequence:

Selective Admission: All students planning to major in Fitness Leadership should apply for and be admitted to the Fitness Leadership Program. Application should occur upon completion of 30 semester hours. Transfer students need to apply as soon as they are admitted to the University. A student can be admitted when the following criteria for acceptance has been met:

1. Completion of HPR 160, 181 and 182 with a minimum of 2.5 in these courses.
2. Personal interview with the Program Coordinator of Fitness Leadership, if so requested.

Selective Retention:

1. After being officially admitted to the Fitness Leadership Program, the student must maintain a GPA of 2.5.
2. Completion of two upper-level courses in Physical Education and maintain a cumulative GPA of no less than 2.5 is required for enrollment in HPR 298.10, 378.10, and 398.10.

This sequence focuses on content areas needed for certification preparation by the American college of Sports Medicine. Students interested in ACSM certification should consult the Fitness Leadership Sequence Coordinator in the Department for further information.

Graduation Requirements:

All required Physical Education courses must be completed with a grade of "C" or better.

Athletic Training Sequence:

Selective Admission: All students planning to become certified athletic trainers should apply for and be admitted to the Athletic Training Program. Application should occur upon completion of 30 semester hours. Transfer students need to apply as soon as they are admitted to the University. A student can be admitted to the program no earlier than his/her sophomore year. The following criteria should have been met in order to be accepted:

1. Completion of HPR 160, 180, 181 and 188 with a minimum GPA of 2.8 in these courses.
2. Cumulative GPA of 2.5 or higher for the 2 semesters prior to application.
3. Personal interview with the Program Coordinator.
4. Satisfactory completion of 100 hours of athletic training experience.

NOTE: Applicants compete for available spaces.

Selective Retention: Once the student has been admitted, he/she can begin clinical work at Illinois State University. In order to be eligible for certification by the National Athletic Trainers Association (NATA) a student must accumulate 1500 hours of clinical work under a certified athletic trainer. If a student is accepted into the program at Illinois State University, he or she will be expected to accumulate 500 clinical hours each year. In order to remain a part of the Athletic Training Program, the student must:

1. Be admitted to the clinical program before registering for HPR 298.10.
2. Receive grade of "C" or better in all Athletic Training courses.
3. Successfully fulfill clinical responsibilities.

NOTE: If the above requirements are not maintained, the student will be placed on probation for one semester, during which time he/she will not be given a clinical assignment. If after one semester of probation, the student has failed to meet the requirements, he or she will be dropped from the Athletic Training Program.

MINOR IN PHYSICAL EDUCATION

Elementary Physical Education Sequence: This is a Teacher Education program.

- 23 hours required.
- Required courses (21 hrs): HPR 153.20, 160, 181, 222 or 221 or C&I 250, 225, 257, 280, 383 or 382 or 386.
- Elective courses (2 hrs): 1 course from HPR 150.60, 150.80; 1 course from HPR 151.10, 151.30, 152.20, 152.30.

Secondary Physical Education Sequence: This is a Teacher Education program.

- 24 hours required.
- Required courses (21 hrs): HPR 158, 160, 181, 280, 282, 241, 383 or 382 or 386.
- Elective courses (3 hrs): 1 course from HPR 150.20, 150.50, 150.60, 150.70, 150.80; 1 course from HPR 151.10, 151.30, 152.20, 152.30; and 1 course from 153.10 or 153.20.

Athletic Coaching Sequence: This is a non-teaching program, not recognized as a teaching area in Illinois.

- 24 hours required.
- Required courses: HPR 181, 182, 207, 280, 280.01, 282, 284; 4 hours from HPR 210, 211, 212, 213, 215; 3 hrs from HPR 254, 306, 349, 387.

Athletic Training Sequence: This is a nonteaching program, not recognized as a teaching area in Illinois. This sequence meets all necessary academic requirements for certification by the National Athletic Trainers' Association. Students interested in NATA certification should consult the Athletic Training Program Coordinator in the Department for further information.

- 24 hours required.
- Required courses: HPR 180, 181, 188, 280, 280.01, 282, 284, 288, 387, and 388.

Recreation and Park Administration Program

Degree Offered: B.S.

Students may obtain advising material related to Recreation and Park Administration in the Department's main office. The HPR academic advisor will assist students with planning and completing an academic plan of study.

MAJOR IN GENERAL RECREATION AND PARK ADMINISTRATION

- 42 hours required including the 39-hour core.
- Required core courses: HPR 170, 171, 271, 275, 298.30, 370, 375, 376, 378.30, 398.30.
- Additional requirement (3 hrs): HPR 371.
- A second major or minor, or an individualized program by advisement is recommended.

Admission Requirements:

1. Students must have an overall minimum GPA of 2.0.
2. Students must have a minimum GPA of 2.2 in the four tool courses required for the Sequence:
Commercial Recreation: HPR 170, HPR 171, ACC 131, ECO 101.
Program Management: HPR 170, HPR 171, COM 110, ECO 101.
Therapeutic Recreation: HPR 170, HPR 171, HPR 181/182, HSC 105.
3. Students must complete a departmental application. Applications are available in the departmental advisement office.

Program Management Sequence:

- 74 hours required of which 18 satisfy University Studies requirements.
- Required courses: (39 hrs of core courses) HPR 170, 171, 271, 275, 298.30, 370, 375, 376, 378.30, 398.30; (6 hrs of Sequence courses) HPR 276, 371.
- Interdisciplinary requirements (11 hrs of additional courses) as follows: 6 hours selected from ACC 131; FIL 208; MQM 220; 323; MKT 230; 5 hours selected from approved ART, MUS, or THE (1-3 hrs), and HPR (1-4 hrs) activity courses.
- University Studies requirements: ENG 101; COM 110 or 123 or 223; ECO 101 or POS 105; PSY 111 or SOC 106; PSY 112 or 131 or SOC 261; ACS 150 or 155.01.

Commercial Recreation Sequence:

- 73 hours required of which 12 satisfy University Studies requirements.
- Required courses: (39 hrs of core courses) HPR 170, 171, 271, 275, 298.30, 370, 375, 376, 378.30, 398.30; (6 hrs of sequence courses) HPR 277, 377.
- Interdisciplinary requirements (16 hrs of additional courses) as follows: ACC 131, MKT 230, FIL 208; 6 hours selected from ACC 132; FIL 209; 240; 260; MQM 100; 220; 226; MKT 233; 1 hour selected from approved ART, MUS, THE, or HPR activity courses.
- University Studies requirements: ENG 101; COM 110 or 123 or 223; ECO 101; ACS 150 or 155.01.
- Non-business majors who desire to elect more than 30 hours of their coursework in business must meet all College of Business requirements for graduation. These students should register for additional courses only in person and with the written permission of the College of Business advisor.

Therapeutic Recreation Sequence:

- 77 hours required, of which 12 satisfy University Studies requirements.
- Required courses: (39 hrs of core courses) HPR 170, 171, 271, 275, 298.30, 370, 375, 376, 378.30, 398.30; (9 hrs of sequence courses) HPR 273, 279, 373.
- Interdisciplinary courses (17 hrs of additional courses) as follows: 6 hours selected from HSC 105; HPR 181 or 182; 6 hours selected from approved PSY, SOC, SED, HPR (other than Recreation and Parks); 5 hours selected

from approved ART, MUS, THE (3 hrs) and HPR (2 hrs) activity courses.

- University Studies requirements: ENG 101; COM 110 or 123 or 223; PSY 111 or SOC 106; ACS 150 or 155.01.

MINOR IN RECREATION AND PARK ADMINISTRATION

- 24 hours required.
- Required courses: HPR 170, 171, 271, 275, 370, 375, 376.
- 3 hours of courses selected from: HPR 273, 276, 277, 279, 371, 373, 377.

Physical Education Courses

Some sections of these courses may be restricted to HPR majors.

An optional locker and towel charge will be assessed for students in selected Physical Education activity courses.

100 ADAPTED ACTIVITIES AND MEDICALLY PRESCRIBED EXERCISES 1 F,S

For persons assigned by the Health Service or a personal physician. CR/NC basis only. May be repeated if necessary.

Medically prescribed exercises for handicapped students, faculty, and community members in need of corrective and rehabilitative programs.

101 CROSS-COUNTRY SKIING 1 S

Introduction to cross-country skiing emphasizing techniques, selection and care of equipment, safety and touring.

102 BACKPACKING 1 F

Field trip req. Materials charge optional.

Introduction to backpacking including the basic techniques and knowledge necessary for hiking and surviving in the outdoor environment.

104 NEUROMUSCULAR RELAXATION 1 F,S

Not for cr if had 154.40.

The study and practice of neuromuscular relaxation as a method of recognizing and controlling tension. The Jacobsen progressive relaxation technique will be employed.

105 BADMINTON I 1 F,S

Not for cr if had HPR 150.20. Materials charge optional.

Introduction to the basic strokes and strategies of badminton. Tournament play in singles and/or doubles.

106.02 BASKETBALL II 1 F,S

Development of intermediate and advanced skills and strategies of basketball.

107 WALK/JOG/RUN 1 F,S

Walking, jogging, and running as modes for developing and/or maintaining physical fitness.

108 BILLIARDS I 1 F,S

Materials charge optional.

Basic shooting techniques with focus on stance, bridge and cue ball contact. Experience in games of Basic Pocket Billiards, Rotation and Eight Ball.

108.02 BILLIARDS II 1 F,S

HPR 108 or intermediate playing ability req. Materials charge optional.

Development of complex skills such as Caroms, Banks, and combination shots. Emphasis on spin, and the application of English.

112 BOWLING I 1 F,S

Not for cr if had HPR 150.30. Materials charge optional.

Development of basic skills and knowledge for the beginning bowler.

112.02 BOWLING II 1 F,S

HPR 112 or intermediate skill in bowling req. Materials charge optional.

Development of more consistency with strikes and spares, an understanding of taps, lane conditions, ball tracks. Participation in a variety of tournaments.

113 PERSONAL FITNESS 3 US-7 F,S

Not for cr if had HPR 150.40. Materials charge optional.

The development of a personalized, comprehensive fitness program based on knowledge and understanding of the specific effects of exercise. Lecture and lab.

114 NAUTILUS CONDITIONING 1 F,S

Basic techniques and knowledge necessary to increase muscular strength through the use of nautilus resistive isotonic exercise equipment.

119 GOLF I 1 F,S

Not for cr if had HPR 150.50. Materials charge optional.

A basic course in golf designed for the beginner or high handicap golfer.

119.02 GOLF II 1 F,S

HPR 119 or evidence of intermediate skills in golf req. Materials charge optional.

Designed for experienced or low handicap player. Refinement of basic and advanced strokes. Development of game and course strategy.

126 AEROBICS 1 F,S

Introduction to aerobics designed to develop and improve strength, flexibility, and cardiovascular endurance.

127 SWIMMING I-BEGINNING 1 F,S

Materials charge optional.

For non-swimmers and fearful swimmers with no basic swimming skills. Instruction in adjustment skills and basic techniques of safety and swimming.

127.02 SWIMMING II-INTERMEDIATE 1 F,S

Materials charge optional.

For swimmers with limited skills. Emphasis on basic strokes and introduction to basic diving techniques.

127.03 SWIMMING III-ADVANCED 1 F,S

Materials charge optional.

For moderately skilled swimmers to develop and refine strokes and related aquatic skills.

127.10 AQUATIC FITNESS 1 F,S

May be repeated once. Ability to swim not req.

Shallow water aerobic exercise and/or lap swimming programs to develop and maintain physical fitness.

131 LIFE SAVING 2 F,S

American Red Cross Swimmers or Advanced Swimmers skill level req. The prerequisite for ARC certification in Lifeguard Training includes current standing in Standard First Aid and Adult CPR. Certificate may be purchased from ARC.

For highly skilled swimmers to learn special skills of life saving, rescue techniques, and water safety procedures.

132 WATER SAFETY INSTRUCTORS COURSE 2 F,S

The prerequisite for American Red Cross certification as a Water Safety Instructor includes current standing in Lifeguard Training or Emergency Water Safety.

Analysis of techniques in and methods of teaching swimming and life saving. Opportunity for American Red Cross-Water Safety Instructor certification.

133 SELECTED ACTIVITIES 1 F,S

Selected beginning and/or intermediate activities offered as experimental programs.

136 VOLLEYBALL I 1 F,S

Not for cr if had HPR 151.30.

Basic skills, rules, and strategies involved in the game of volleyball, and application in tournament play.

136.02 VOLLEYBALL II 1 F,S

HPR 136 or intermediate skill in volleyball req.

Advanced knowledges, skills, and strategies of the game of volleyball, and application in a competitive situation.

137 SOCCER 1 F

Not for cr if had HPR 152.30.

Basic skills, rules, and strategies necessary for game play. Fundamentals emphasized with application in competitive play.

139 GYMNASTICS I 1 F,S

Not for cr if had HPR 150.60.

Basic elements in floor exercise, vaulting, balance beam, and uneven bars for women and basic elements in floor exercise, pommel horse, rings, vaulting, and parallel bars for men.

140 FENCING I 1 F,S

Fundamentals of fencing, bouting, directing, and judging a bout.

142 TENNIS I 1 F,S

Not for cr if had HPR 150.70. Materials charge optional.

Introduction to the basic strokes and beginning strategy of tennis. Tournament play in singles and/or doubles.

142.02 TENNIS II 1 F,S

HPR 142 or equiv skills req. Materials charge optional.

Introduction to intermediate strokes and review of basic strokes. Emphasis on doubles play.

143 TUMBLING I 1 F

An introduction to the basic skills of tumbling. Includes rolls, balance, and springs. Development of tumbling routines.

146 MILITARY PHYSICAL CONDITIONING 1 F,S

May be repeated; max 4 hrs. Restricted to MSC students.

Practical experience in the structure, techniques, and conduct of military physical conditioning to develop total fitness and leadership ability.

147 WEIGHT TRAINING 1 F,S

Basic knowledge and concepts of use of resistive exercises to increase muscular strength and endurance. Participation in an individual weight program.

149 FLAG FOOTBALL 1 F

Not for cr if had HPR 152.20.

Development of fundamental football skills and strategies needed for game of flag football.

150.20 BADMINTON INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Introduction to the basic strokes and strategies of badminton. Emphasizes teaching strategies and class organization utilized in badminton.

150.50 GOLF INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S***Materials charge optional.*

Presentation of basic skills and knowledges in golf methods and procedures for golf teaching.

150.60 GYMNASTICS INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Instruction in the basic skills and techniques of various gymnastics events with emphasis on spotting and teaching strategies.

150.70 TENNIS INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S***Materials charge optional.*

Introduction to the basic strokes and knowledge of tennis. Emphasizes teaching strategies and class management utilized in tennis.

150.80 TRACK AND FIELD INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Instruction in the basic skills and techniques of various track and field events. Techniques of teaching will be presented.

151.10 BASKETBALL INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Development of fundamental basketball skills with emphasis on selected teaching progressions, drills, and strategies.

151.30 VOLLEYBALL INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Basic skills and strategies involved in the game of volleyball, and application in game play. A teaching progression is emphasized.

152.20 FLAG FOOTBALL INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Development of basic skills and strategies. Selected organizational and instructional procedures appropriate for teaching flag football.

152.30 SOCCER INSTRUCTIONAL**METHODS (Maj/Min) 1 F**

Basic skills, rules and strategies for game play; safety; selected organizational and instructional procedures appropriate for teaching soccer.

153.10 FOLK AND SOCIAL DANCE INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Fundamental skill concepts of folk and social dance. Class organization, selected teaching methods, and assessment of skills included.

153.20 SQUARE DANCE INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Basic fundamental skill concepts of square dance. Class organization, selected techniques of teaching, calling, and assessment of skills included.

153.30 MODERN DANCE INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Basic movement concepts, fundamentals of improvisation and composition, and teaching methods.

153.40 JAZZ DANCE INSTRUCTIONAL**METHODS (Maj/Min) 1 F**

Basic movement concepts, rhythmical accompaniment, fundamentals of composition, and techniques used to each jazz dance.

154.40 NEUROMUSCULAR RELAXATION INSTRUCTIONAL**METHODS (Maj/Min) 1 F,S**

Study of stress and how it affects the body. Practice of neuromuscular relaxation techniques, and teaching methods for relaxation.

158 INSTRUCTIONAL STRATEGIES IN PHYSICAL EDUCATION**3 F,S***Incl Clin Exp.*

Introduction to planning and teaching physical education. Includes lesson planning, practice of teaching skills through micro teaching, peer teaching, analysis of teaching.

160 FOUNDATIONS OF**HUMAN MOVEMENT 3 F,S***Formerly HPR 156, DIMENSIONS OF HUMAN MOVEMENT.*

Identification of foundational concepts in physical education, including historical and philosophical orientations, sub-disciplinary movements, career development, and physical education issues.

180 FIRST AID**2 US-7 F,S***Certificate may be purchased from ARC.*

Accident prevention and action to be taken in cases of accident and sudden illness in the home, school, and community. Students successfully completing this course will have an opportunity to receive certification in Red Cross Standard First Aid. Instruction in CPR techniques and opportunities for certification in CPR is also provided.

181 HUMAN ANATOMY AND PHYSIOLOGY**3 F,S***Lecture and lab.*

Gross structure and physiology of the human body; particular attention to the locomotor system.

182 HUMAN ANATOMY AND PHYSIOLOGY**3 F,S**

Emphasis on the nervous, circulatory, respiratory, and digestive systems.

188 BANDAGING, TAPING, AND TRAINING ROOM MANAGEMENT**2 F,S***Materials charge optional.*

Supervised laboratory practice in bandaging and taping procedures used in athletic training. Training room budget and administration is addressed.

207 THE COACH IN ORGANIZED SPORTS AND ATHLETICS**2 F,S***HPR 181.*

An introduction to interschool athletic programs including basic philosophy, governing organizations, administrative duties of coaches and direct coaching responsibilities.

209 SPORTS SAFETY**3 S**

Philosophy of sports safety. Human and environmental factors in sport injury, legal responsibilities of teacher, safety factors in activities; accident prevention and injury control in sports.

210 BASEBALL COACHING 2 F,S

HPR 207 or previous experience as a player or youth coach or cons inst req. Soph standing req.

The theory and coaching of baseball essential to the professional preparation of those interested in coaching: history, philosophy, techniques, and fundamentals.

211 BASKETBALL COACHING 2 F,S

HPR 207 or previous experience as a player or youth coach or cons inst req. Soph standing req.

A course for professional preparation of coaches of basketball. Included are history, philosophy, techniques, and tactics of basketball.

212 FOOTBALL COACHING 2 F

HPR 207 or previous experience as a player or youth coach or cons inst req. Soph standing req.

Theory and techniques of basic offensive and defensive football. The history, development of trends, modern innovations are included.

213 TRACK AND FIELD COACHING 2 S

HPR 207 or previous experience as a player or a youth coach or cons inst req. Soph standing req.

Understanding and application of various training methods and coaching techniques in track and field events.

215 VOLLEYBALL COACHING 2 F

HPR 207 or previous experience as a player or youth coach or cons inst. Soph standing req.

Techniques and methods of coaching volleyball, including teaching techniques, conditioning, strategies, practice situations, and management techniques.

221 ELEMENTARY PHYSICAL EDUCATION CURRICULUM 3 F,S

Incl Clin Exp.

Planning a program of physical education for elementary school children. Progressions within activities, techniques of organization, and methods of teaching. Observations of children and laboratory sessions in activities.

222 PHYSICAL EDUCATION FOR ELEMENTARY CLASSROOM TEACHER 2 F,S

Not for cr maj. No cr if in El Ed Core Program. Incl Clin Exp.

Factors essential to program planning in physical education grades one through six. Types and progression of activities; methods and techniques of class organization. Observations of children and laboratory sessions in activities.

225 MOTOR DEVELOPMENT OF CHILDREN 3 F

Incl Clin Exp.

Motor development related to anatomical growth and sensory development in the child from infancy to puberty. Mechanisms and theories of perceptual motor development, research findings, and implications for physical education.

241 SECONDARY PHYSICAL EDUCATION CURRICULUM AND EVALUATION 4 F,S

C&I 216. Incl Clin Exp.

Development and administration of secondary physical education programs. Concepts and techniques of evaluation appropriate for the program and the learner in physical education.

254 SOCIO-PSYCHOLOGICAL PERSPECTIVES IN PHYSICAL ACTIVITY 3 F,S

HPR 160 or cons inst req. Formerly HPR 252, CULTURAL PERSPECTIVES OF HUMAN MOVEMENT, and 253, PSYCHOLOGICAL PERSPECTIVES OF HUMAN MOVEMENT; (now a combination of both courses).

Survey of cultural, philosophical, social and psychological factors influencing the nature, evolution and maintenance of informal and formal physical activities.

257 MOTOR LEARNING AND PERFORMANCE (Maj/Min) 3 F,S

HPR 160 or cons inst req. Formerly HPR 157, MOTOR BEHAVIOR.

Study of processes involved in acquiring and perfecting motor skills and effects of aging on acquisition of those skills.

258 DIRECTED EXPERIENCES IN PHYSICAL EDUCATION 2 F,S

Dept pre-enrollment req. Student must have 2 consecutive hours between 8 a.m. and 3 p.m. (e.g., 9-11 a.m.) free daily. HPR 158, 221, or conc reg req. Adm to Teacher Ed req. Incl Clin Exp. Materials charge optional.

Arranged clinical experience assignment that includes observation, participation, and teaching in an elementary physical education program. Class meets regularly twice a week as a seminar.

280 EXERCISE PHYSIOLOGY (Maj/Min) 2 F,S

HPR 181 and 182 req; HPR 280.01 or conc reg req.

Application of human anatomy and physiology to the understanding of physical education. Effects of exercise on body systems and performance.

280.01 FITNESS TRAINING INSTRUCTIONAL METHODS (Maj/Min) 1 F,S

HPR 181 and 182 req; HPR 280 or conc reg req. Formerly 150.40, FITNESS AND CONDITIONING.

Individualized approach to development of a healthy lifestyle based upon knowledge and understanding of the specific effects of exercise.

281 AEROBIC DANCE INSTRUCTIONAL METHODS (Maj/Min) 1 F,S

HPR 181, 182, 280, 280.01 req.

Introduction to teaching aerobic dance for various populations. Includes course planning, practice teaching experiences and preparation for Aerobic Instructor Certification.

282 KINESIOLOGY 3 F,S

HPR 181 req. Lecture and lab. Materials charge optional.

Analysis of human motion based on anatomic and mechanical principles. Application of these principles in teaching physical education activities.

283 AQUATIC FITNESS INSTRUCTIONAL METHODS (Maj/Min) 1 F,S

HPR 181, 182, 280, 280.01 req.

Introduction to teaching aquatic fitness and exercise. Includes course planning and practice teaching experiences and preparation for Aquatic Exercise Instructor Certification.

284 INTRODUCTION TO ATHLETIC INJURIES 3 F,S

HPR 181 or cons inst req.

Emphasis upon responsibilities, limitations, liabilities, taping and bandaging, evaluation, prevention, and treatment of athletic injuries.

285 RESISTIVE EXERCISE**INSTRUCTIONAL****METHODS (Maj/Min)****1 F,S***HPR 181, 182, 280, 280.01 req.*

Instructor preparation for creating individualized resistive exercise programs for persons across the age span. Includes personal skill development.

288 THERAPEUTIC MODALITIES**AND REHABILITATION****2 F***HPR 181 and 188, or cons Athletic Training Coord req.*

Theory and application in the use of therapeutic modalities in athletic training and in rehabilitation of athletic injuries.

295 HONORS SEMINAR**1 F,S**

Introduction to independent Honors study; identification and definition of problems; selected methods for problem solving; use of library resources.

**298.10 PROFESSIONAL PRACTICE:
INTERNSHIP/COOPERATIVE
EDUCATION EXPERIENCE IN
PHYSICAL EDUCATION, SPORTS
AND ATHLETICS**

2 F,S

Jr standing; 2 upper-level courses in Phys Ed. May Incl Clin Exp in selected school activities. Materials charge optional.

A Professional Practice experience in community sites for non-teacher certification majors. May include coaching experience in public schools for coaching minors. Periodic seminar meetings.

304 TEACHING OF SPORTS**3 F**

Optimal learning in human movement: content, teacher behavior, situational conditions, analysis of sports, instructional approaches, application and research.

306 PSYCHOLOGY OF SPORT**3 F,Summer**

Psychological principles and concepts applied to sport situations and to individuals involved with sport activities.

307 EXERCISE IN HEALTH**AND DISEASE****3 F,S***HPR 181, 182, 280, 280.01 req.*

Application of exercise physiology principles to evaluate the extent to which common disease processes limit body function and exercise performance.

308 EXERCISE PROGRAMMING**3 F,S***HPR 181, 182, 280, 280.01 req.*

Development of fitness instructor skills for designing exercise programs for populations of normal, at-risk, and others with special exercise needs.

**309 PRINCIPLES AND TECHNIQUES
OF PHYSIOLOGICAL TESTING**

3 F,S*HPR 181, 182, 280, 281, 307 req.*

Application of various laboratory exercise testing modalities for evaluating human physiological function.

310 FITNESS MANAGEMENT (Maj/Min)**2 F,S***HPR 298.10 req.*

Theories of organization and principles of management applied to fitness programs in the commercial, community, medical, and worksite settings.

317 SOCIOLOGY OF SPORT**3 S***Also offered as SOC 317.*

The social institution of sport is examined using such sociological concepts as social organization, culture, socialization, deviance, social stratification, minority groups and collective behavior.

320 DEVELOPMENTAL ASPECTS**OF YOUTH SPORT****3 F,S**

At least 1 of the following: HPR 252, 253, 306, PSY 112, 301, 302, or cons inst req.

Effects of sport and competitive physical activities on the biophysical and psychosocial development of young people.

342 OCCUPATIONAL BIOMECHANICS**4 F,S**

HSC 271; PHY 105; MAT 120, or 104 and 108, or 109, or 144, or 145, or cons inst. Lecture and lab. Materials charge optional.

Application of biomechanical principles to the solution of problems related to the interaction of the worker with the workplace.

352 BIOMECHANICS OF**HUMAN MOVEMENT****3 F,S**

HPR 282 or cons inst req. PHY 108 and MAT 108 rec. Materials charge optional.

Amplification of kinematics, including kinetics of human movements; introduction to high-speed cinematography, biomechanics instrumentation and computer analysis.

353 ELECTROCARDIOGRAPHY**1 F,S***HPR 182 or cons inst req.*

Relationships of electrocardiographic complexes to the anatomy and physiology of the heart under selected conditions of health, disease, and exercise.

**378.10 SEMINAR IN PROFESSIONAL
PRACTICE**

2 F,S*HPR 298.10 or 298.30; 2.10 GPA. Sr standing req.*

Orientation to the expectations and problems encountered in Senior professional practice in physical education, sports, and athletics. Formal application and placement of professional practice students.

382 SENSORY MOTOR EDUCATION**FOR THE MENTALLY HANDICAPPED****3 F***Incl Clin Exp.*

Physical education methods for students with mentally handicapping conditions, including assessment, program writing, teaching techniques, and evaluation.

383 ADAPTED PHYSICAL EDUCATION**3 F,S***HPR 181 or PSY 181 req. Incl Clin Exp.*

Handicapping conditions and methods, materials, and activities for adapted physical education programs in pre-school, elementary, secondary, and self-contained schools.

385 PHYSICAL DEFECTS: SURVEY**AND REHABILITATION****3 F,S**

PSY 381 or HPR 282 req. Also offered as SED 385. Lecture and lab. Incl Clin Exp.

Identification and treatment of physical defects of handicapped children; special services, equipment, and procedures for school programs.

386 PHYSICAL EDUCATION FOR**THE PHYSICALLY HANDICAPPED****3 F***Cons inst if not HPR maj. Incl Clin Exp.*

Methods for assessing motor and manipulative competencies, designing prescriptive programs, techniques for teaching motor and fitness skills to persons with orthopedic and sensory impairments.

387 ADVANCED ATHLETIC INJURIES**3 S***HPR 284 req.*

Concentrated study of specific athletic injury problems; attention given to nutrition, drugs, conditioning and rehabilitation.

**388 EVALUATION OF
ATHLETIC INJURIES****2 S***HPR 181 and 188, or cons Athletic Training Coord req.*

The study and practice of techniques used when evaluating athletic injuries ranging from minor to life-threatening trauma.

**398.10 PROFESSIONAL PRACTICE: INTERNSHIP/
COOPERATIVE EDUCATION IN
PHYSICAL EDUCATION, SPORTS
AND ATHLETICS****1-14 F,S,Summer***HPR 298.10 or 298.30, 378.10; 2.20 GPA; sr standing.**Materials charge optional.*

Jointly planned and supervised internship/cooperative education experience under the guidance of professionally qualified personnel from business, industry, government, and other agencies and organizations and University faculty supervisors.

Dance Courses**122 MODERN DANCE I****1 US-6 F,S**

An introduction to modern dance through technique, improvisation, and composition.

122.02 MODERN DANCE II**1 US-6 F,S***HPR 122.*

Continuation of 122 with emphasis on technique.

123 BALLET I**1 US-6 F,S**

An introduction to the techniques and styles of tap dance.

123.02 BALLET II**1 US-6 F,S***HPR 125 or conc reg or cons inst req.*

Continuation of HPR 123.

124 JAZZ DANCE I**1 US-6 F,S**

An introduction to the techniques and styles of jazz dance.

124.02 JAZZ DANCE II**1 US-6 F,S***HPR 124 or conc reg, or cons inst.*

Continuation of 124.

125 TAP I**1 US-6 F,S**

An introduction to the techniques and styles of tap dance.

125.02 TAP II**1 US-6 F,S***HPR 123 or cons inst req.*

Continuation of 123.

161 INTERMEDIATE JAZZ DANCE**3 F,S***HPR 124 and 124.02 or cons inst req. May be repeated; max 6 hrs.*

Intermediate techniques and theory of jazz dance.

162 INTERMEDIATE MODERN DANCE**3 F,S***HPR 122.02 or cons inst. May be repeated; max 6 hrs.*

Intermediate techniques and theory of modern dance.

163 INTERMEDIATE BALLET**2 F,S***HPR 123.02 or cons inst. May be repeated; max 6 hrs.*

Intermediate ballet technique and theory.

165 DANCE COMPOSITION I**2 F***HPR 162 or 163 or conc reg.*

Theory and practice in spatial, temporal, and dynamic design applied to choreography.

169 DANCE PRACTICUM I**1 F,S***Successful audition for the University Dance Theatre. Conc reg dance technique course req. May be repeated; max 10 hrs.*

Practical experience in the areas of rehearsal, choreography, production, and performance.

260 SPECIAL METHODS IN DANCE I**1 F***Adm to Teacher Ed req for Teacher Ed Seq. Incl Clin Exp.*

Basic principles and techniques of teaching dance in schools, studios, and agencies; planning lessons and teaching in selected dance activity classes.

269 SPECIAL TOPICS IN DANCE**1-3 F,S***May be repeated; max 6 hrs.*

Intensive study of selected dance forms, styles, or repertory.

295 HONORS SEMINAR**1 F,S**

Advanced readings and critical discussion of dance with broad areas of concern in social, cultural, philosophical, and scientific bases.

357 DANCE FOR CHILDREN**2 F***HPR 162 req.*

Methods and materials in traditional and creative activities; interrelationships of dance with other arts.

360 SPECIAL METHODS IN DANCE II**3 S***Teacher Ed Seq. HPR 260 or cons inst. Incl Clin Exp.*

Supervised clinical experiences in teaching dance to secondary school and studio populations; selection of materials and instructional strategies for these groups.

362 ADVANCED MODERN DANCE**3 F,S***HPR 162 or cons inst req. May be repeated; max 6 hrs.**No more than 3 hrs may be counted toward master's degree req.*

Intermediate-advanced techniques and theory of modern dance.

363 ADVANCED BALLET**2 F,S***HPR 163 or cons inst. May be repeated; max 6 hrs.*

Intermediate-advanced ballet technique and theory.

**364 DANCE ADMINISTRATION AND
CURRICULUM DESIGN****3 F**

Techniques for the curriculum, development, evaluation, and administration of dance in public schools, studios, and community agencies.

365 DANCE COMPOSITION II**3 S***HPR 165 or cons inst req.*

Continued development of theoretical concepts of choreography with emphasis on form and group compositions.

**366 HISTORY AND PHILOSOPHY
OF DANCE I****3 F**

History, philosophy, and development of dance as a social and cultural medium from primitive times through the 16th century.

**367 HISTORY AND PHILOSOPHY
OF DANCE II****3 S**

History, philosophy, and development of dance from the 17th century to the present.

**368 PRINCIPLES OF DANCE
PRODUCTION****3 S**

Principles of public relations, publicity, costuming, lighting, and management used in producing dance performances.

369 DANCE PRACTICUM II**3 F,S**

An intensive experience in the design and development of a choreographic project culminating in dance performance.

- 398.20 PROFESSIONAL PRACTICE: INTERNSHIP/COOP IN DANCE** 1-14 F,S,Summer
HPR 360, either 362 or 363, and 364; sr standing; 2.2 GPA req.

A supervised internship under the guidance of professionally qualified personnel from dance companies, studios, agencies, and University faculty supervisors.

Recreation and Park Administration Courses

- 170 INTRODUCTION TO LEISURE AND RECREATION** 3 F,S

Nature, scope, and significance of recreation and leisure. Introduction to the professional areas of recreation and leisure delivery systems.

- 171 RECREATION LEADERSHIP** 3 F,S
HPR 170 or conc reg req. Fieldwork req.

Leadership skills in recreation, conducting and developing activities; utilizing group facilitation techniques.

- 175 LEISURE IN SOCIETY** 3 F,S

Introduction of leisure in historical and contemporary perspectives. Relationships between leisure and other societal institutions. Determinants of leisure behavior.

- 271 RECREATION PROGRAMMING (Maj/Min)** 3 F,S
HPR 171 req.

Comprehensive recreation program design including planning, organizing, promoting, and evaluating programs in a variety of leisure service delivery systems.

- 273 INTRODUCTION TO THERAPEUTIC RECREATION** 3 F
HPR 271 or cons inst req.

Foundation concepts of therapeutic recreation including history, social issues, professional issues, and basic program design.

- 275 PLANNING AND DESIGN OF RECREATION FACILITIES** 3 F,S
HPR 271 req.

Techniques and principles of site planning, design, and development of facilities in parks and recreation settings.

- 276 COMMUNITY RECREATION** 3 S
HPR 271 req. Materials charge optional.

Overview and investigation of the practices, strategies, and analysis of community-based leisure service delivery systems.

- 277 COMMERCIAL RECREATION AND TOURISM** 3 F
HPR 271 req.

Study of development, management, and future of profit-motive recreational agencies emphasizing employment possibilities.

- 279 PRINCIPLES OF THERAPEUTIC RECREATION** 3 S
HPR 273 or cons inst req.

Basic competencies in therapeutic recreation services, including comprehensive program design, treatment approaches, and treatment plan preparation.

- 295 HONORS SEMINAR** 1 F,S

Advanced readings and critical discussion of recreation with broad areas of concern in social, philosophical, and scientific bases.

- 298.30 PROFESSIONAL PRACTICE: INTERNSHIP AND COOPERATIVE EDUCATION IN RECREATION AND PARK ADMINISTRATION** 2 F,S,Summer
HPR 271 or cons inst req. Jr standing rec. Materials charge optional.

Application of knowledge and skills in recreation programming to practical situations within a leisure service delivery system.

- 359 CAMP LEADERSHIP PRACTICUM WITH THE DISADVANTAGED CHILD** 3 Summer
Cons inst req. Students are required to live at the camp during the practicum. May be repeated.

Practical experiences in camp counseling and administration in a resident group setting with disadvantaged children.

- 370 RECREATION FOR SPECIAL POPULATIONS** 3 F,S

Leadership techniques, activity modification and accessibility issues in conducting recreation programs for individuals with mental, physical, social, and emotional limitations.

- 371 OUTDOOR RECREATION** 3 F
HPR 271 req.

Overview of outdoor recreation concepts and management principles.

- 372 CAMP LEADERSHIP PRACTICUM WITH PHYSICALLY HANDICAPPED** 3 Summer
Cons chair SED and chair HPR req. May be repeated. Materials charge optional.

Counseling experience in a summer camp for physically handicapped children. Conferences on planning of daily activities, equipment, and general program.

- 373 LEISURE EDUCATION AND FACILITATION TECHNIQUES** 3 S
HPR 273 or cons inst req.

Advanced study of leisure education models and concepts; application and understanding of facilitation techniques in therapeutic recreation services.

- 375 RECREATION AND PARK ADMINISTRATION** 3 F,S
HPR 271 req; HPR 298.30 rec.

Administrative/management functions in the operation of organized recreation and leisure delivery systems.

- 376 EVALUATING AGENCY SERVICES** 3 F,S
HPR 271 or cons inst req. Materials charge optional.

Use and methods of evaluation, including conceptualization, implementation and report preparation, with application to leisure service delivery systems.

- 377 PRACTICES AND ISSUES IN COMMERCIAL RECREATION** 3 S
HPR 277 req. Materials charge optional.

Analysis of selected practices, issues, and current trends confronting commercial recreation business enterprises.

- 378.30 SEMINAR IN PROFESSIONAL PRACTICE** 2 F,S
HPR 298.10 or 298.30; 2.1 GPA. Sr standing req.

Orientation to the expectations and problems encountered in senior professional practice in recreation and park administration. Formal application and placement of professional practice students.

**398.30 PROFESSIONAL PRACTICE: INTERNSHIP/
COOPERATIVE EDUCATION IN
RECREATION AND PARK
ADMINISTRATION 1-14 F,S,Summer**
HPR 378.30, overall 2.2 GPA req.

Supervised in-service practice under the guidance of professionally qualified personnel in leisure service agencies and University faculty.

HEALTH SCIENCES (HSC)

Moulton Hall, (309) 438-8329

Chairperson: Roger B. Weller.
Tenured/Tenure-track Faculty:

Professors: Budig, Dorner, Spencer, Weller.

Associate Professors: Bierma, Kasa, Waishwell.

Assistant Professors: Arnold, Bell, Krishnan, Micke, Morrow, Russelmann, Rust, Waterstraat.

Instructional Faculty: Springer

Other Faculty:

Lecturers: Anderson, Keyser, Nadakavukaren, Rustemeyer, Turley.

Administrative/Professional: Miller MacCannell.

HONORS IN HEALTH SCIENCES

The Department offers honors study to qualified students who will pursue an individualized course of study. To qualify, students must be full-time declared majors in the Department, have completed 60 hours of credit, have and maintain a minimum cumulative 3.3 GPA, have and maintain a 3.5 GPA in the Major, and have completed 9 hours in the Major. To graduate with honors, students must complete 12 hours of honors work in professional courses in the Major selected from the following options; participation in Honors Undergraduate Research and/or Honors Independent Study and/or in-course Honors. Students interested in the Honors Program should contact the Department of Health Sciences.

Environmental Health Programs

Degree Offered: B.S.

MAJOR IN ENVIRONMENTAL HEALTH

- 43 hours in HSC required.
- Required courses (28 hrs): HSC 204, 245, 247, 248, 252, 254, 257, 258, 355.
- Professional Practice: 398.01 or 398.51 (9 hrs).
- Additional requirements (43 hrs): ENG 101, 145; COM 110; MAT (107 or 119) and 108, or 144; BSC 160; CHE 140, 141, 220; PHY 105; SOC 106; HPR 182.
- Additional courses (11 hrs) appropriate for development of a concentration in General Environmental Health, Industrial Hygiene, Institutional Hygiene, or Food Protection chosen in consultation with faculty advisor from the following: HSC 150, 155, 171, 246, 249, 287, 294, 350, 351, 359, 370, 378; BSC 294, 361, 383; CHE 215, 280; ENG 249; HPR 181.

MINOR IN ENVIRONMENTAL HEALTH

- 28 hours required as follows: BSC 160; CHE 110, 112; HSC 150, 155, 245, 248, 294; MAT (107 or 119) and 108, or 144.

Health Education Program

Degrees Offered: B.A., B.S., B.S. in Ed.

Entering freshmen and transfer students desiring admittance to the Health Education Program must meet the admission policies established by the University. Students currently enrolled at the University who wish to be admitted to the program must 1) have a minimum cumulative GPA of 2.0, 2) complete an application with the program director, and 3) complete a personal interview with the program director. Students may pursue a school health education program leading to teacher certification or a community health education program.

MAJOR IN HEALTH EDUCATION

*Denotes University Study courses

NOTE: Some electives may require prerequisite courses.

- 61 hours (School Health Education) or 55 hours (Community Health) required.
- Required core courses (30 hrs): BSC 181*, 182*; HEC 106*; HSC 190, 290, 292, 296, 297, 390; SOC 123*.

Health Education majors must complete either A or B below:

- A. Teacher Certification requirements (9 hrs): Part of entitlement program leading to certification: secondary (6-12 hrs).
- Required courses (6 hrs): HSC 288; HPR 180*.
- Elective (3 hrs): 1 course selected from: BSC 202*, HSC 155; HPR 113*, PSY 112*, 232*.
- Students must complete an education minor, the Professional Education requirements (22 hrs) and the General Education requirements as described in the Teacher Education Requirements section of the Catalog.

Selective Admission - Retention Policy For The Teacher Education Program In Health Education

Selective Admission: All Health Education majors planning to become certified teachers must apply for and be admitted to the University's Teacher Education Program (see Teacher Education Admission-Retention Program section of this Catalog). Upon applying for admission, students must have verified the following:

1. Completion of a program application and projected program plan with departmental advisor.
2. A minimum cumulative and major GPA of 2.5 including Professional Education courses.
3. Recommendation for admission to Teacher Education by Health Education faculty.

Selective Retention: In order to receive departmental approval for a student teaching assignment the student must verify the following:

1. Maintain a minimum cumulative and major GPA of 2.5 including Professional Education courses.
 2. Completion of all core, required and elective components of the program.
 3. Recommendation from the Teacher Education Coordinator following completion of the clinical experience in HSC 288.
- B. Community Health Education Program requirements (25 hrs):
- Required courses (19 hrs): COM 110*; HSC 204, 286, 395, 396, 398.02.
 - Elective (6 hrs) chosen in consultation with an advisor from the following: BEA/HEC 330*; BSC 170*, 202*; HEC 102; HPR 104, 113*; HSC 155, 394; PSY 232*; SOC 212.
 - 2.5 major GPA prior to the semester of enrollment in HSC 398.02.

MINOR IN HEALTH EDUCATION**Minor in Teacher Education:**

- 27 hours required.
- Required courses (27 hrs): HEC 106*, HPR 180*, HSC 190, 290, 288 (2 hrs), 292, 296, 297, 390, SOC 123*.
- Recommended electives: HPR 113*, HSC 155*, PSY 112*, 232*.

*Denotes University Studies courses.

Minor in Community Health:

- 24 hours required.
- Required courses (15 hrs): HSC 190, 290, 292, 296, 297.
- Electives (9 hrs): 3 courses from: HSC 105, 155*, 194*, 196*, 390, 394, 396. 3 hours must be from a 300-level course. Other advanced-level HSC courses may be substituted as electives with consent of the Health Sciences advisor.

*Denotes University Studies courses.

Health Information Management Program

Degree Offered: B.S.

MAJOR IN HEALTH INFORMATION MANAGEMENT

Admission Requirements: Entering freshmen enroll as Pre-Health Information Management majors. All students admitted to the Health Information Management Program are required to go through a special admission process which includes: completion of an application, two letters of reference, and an interview with the program director. Applicants are not required to complete preprofessional courses prior to enrolling in professional courses, but must follow the prerequisite requirements for all pre-professional and professional courses. A GPA of 2.5 is required for admission and retention in the program. A projected program must be planned in consultation with the departmental advisor. Graduates of the program are eligible and expected to write the National Registration Examination. Those who pass the registration examination are entitled to use the designation RRA (Registered Record Administrator) after their name.

Accreditation: The program is accredited by the Committee on Allied Health Education and Accreditation (CAHEA) in conjunction with AHIMA's Council on Accreditation.

- Prerequisite courses (25 hrs, 9 of which satisfy part of the University Studies requirements): ECO 101; ACC 166 or ACS 150; BSC 181, 182; MQM 220 and 323; HSC 105 and 204.
- Major courses (46 hrs): HSC 200, 201, 202, 205, 210, 212, 213, 214, 220, 230, 300, 310, 340, 345, 346, 398.03.

Clinical Laboratory Science Program

Degree Offered: B.S.

MAJOR IN CLINICAL LABORATORY SCIENCE

- 48 hours as specified below plus 32 hours of clinical residency. **NOTE:** *Because of prerequisites or lack of prior skill, this Major may require more hours than indicated.*

- Required courses: HSC 260; BSC 194, or 197, 203, 260, 283; CHE 140, 141, 220, 242; MAT (107 or 119) and 108, or 144, and 2 courses chosen from: HSC 261, 262; BSC 361, 219, or CHE 215. Strongly recommended: PHY 105 or 108; HSC 160, 204, 360, and 361; ACS 140, 168, or another Computer Science course.
- Required clinical residency: 32 hours of clinical courses in an AMA-NAACLS (National Accrediting Agency for Clinical Laboratory Sciences) approved hospital school of medical technology affiliated with Illinois State University. The required professional courses are HSC 362, 363, 364, 365, 366, 367, 368, and 369. Specific credit hours for each course are determined by the hospital schools of medical technology. **NOTE:** Prerequisites for these required professional courses are: 90 hours completed including University Studies, a minimum of 2.5 GPA and the following required courses: HSC 260; BSC 197, 203, 260, 283; CHE 140, 141, 220, 242; MAT 144 and 2 courses chosen from the following group: HSC 261, 262; BSC 361, 219, or CHE 215, and acceptance into an affiliated hospital school of medical technology.

Entering freshmen desiring admittance to the Clinical Laboratory Science Program must meet the admission policies established by the University. Transfer students and students currently enrolled at the University who wish to be admitted to the program must 1) have a minimum cumulative GPA of 2.5 and a 2.5 GPA in required classes, 2) provide an updated transcript of all college courses, and 3) complete a personal interview with the program director. A student should plan the specific program of study in consultation with a faculty member of the Clinical Laboratory Science Program in the Department of Health Sciences. Seminars and independent study are available for students desiring additional study. Students must apply for acceptance into an affiliated hospital for the clinical experience. Students must have earned a 2.5 GPA to apply.

The 12-month experience involves instruction in several laboratory departments and technical instruction in hematology, clinical chemistry, blood banking, pathogenic microbiology and other aspects of laboratory medicine. Graduates of the program are eligible to write a national certification examination. Refer to current handbook for more information.

Safety Program

Degree Offered: B.S.

Safety is a curriculum oriented to the creative and systematic application of organized knowledge, using human resources involving procedures, processes, equipment, scientific principles, techniques, and means for organizing activities to cope with change and/or to improve the quality of life and to make decisions to prevent or reduce human and economic loss due to accidental mishap.

MAJOR IN SAFETY**Occupational Safety Sequence:**

- 68 hours required, 9 of which satisfy part of the University Studies requirements.
- Required courses (40 hrs): HSC 204, 248, 271, 359, 370, 372, 380, 381, and 382, 384, 385, 388 or 398.04 or 398.52; HPR 342.
- Additional Requirements (10-11 hrs): HSC 371 or 378; and 7 or 8 hours selected from IT 120, 121, 130, 131, 140, 141, 150, 151, (formerly 190.01, 190.02, 191.01, 191.02, 192.01, 192.02, 193.01, 193.02, 194.01, 194.02).
- Prerequisite courses (18-21 hrs): CHE 110 and 112, or 140, or 150, and 220; and PHY 105 or 108 or 110; and MAT (107 or 119) and 108, or 120 or 144 or 145.

Health Sciences Courses

- 100 INTRODUCTION TO THE HEALTH COMMUNITY** 3 US-7 F,S
Not for cr maj.

Health care facilities and agencies, their organizational patterns, financing and regulations; the role of health related professionals, their interrelationships and responsibilities; consumer health resources and issues.

- 105 MEDICAL TERMINOLOGY** 3 F,S
Compucard charge optional.

Study of basic language related to medical science and allied health specialties with emphasis on word analysis, construction, definitions, pronunciation, spelling, and standard abbreviations.

- 150 INTRODUCTION TO ENVIRONMENTAL HEALTH** 2
Compucard charge optional.

Principles of environmental health protection, disease causation and control, through study of various contact environments and implementation measures.

- 155 MAN AND ENVIRONMENT: A HEALTH PERSPECTIVE** 3 US-7 F,S

Provides students with a conceptual framework for the study and analysis of environmental health problems in daily activities.

- 160 INTRODUCTION TO CLINICAL LABORATORY SCIENCE** 2 F,S
Formerly INTRODUCTION TO MEDICAL TECHNOLOGY. Compucard charge optional.

Profession of Clinical Laboratory Science emphasizing origin, goals, organizational structure, professional requirements, interrelationships with other professions, professional ethics, and considerations for future.

- 171 PRINCIPLES OF ACCIDENT PREVENTION** 3 US-7 F,S
Formerly IT 171.

Overview of the broad accident problem and underlying factors and theories of accident causation and prevention.

- 176 INTRODUCTION TO MOTORCYCLE SAFETY** 1 F,S
Not for cr maj/min. Formerly IT 176. Compucard charge optional.

Classroom and laboratory experiences provide basic knowledge, skills, and techniques necessary for the safe operation of a motorcycle.

- 190 FOUNDATIONS OF HEALTH EDUCATION** 3 F,S
Health Ed maj/min only. Compucard charge optional.

The historical and philosophical perspectives of the development of Health Education. A comparison of the major concepts and theories of health and characteristics of health education programs in schools and communities.

- 194 HEALTHFUL FAMILY LIVING** 2 US-7 F,S
Introduction to the health of the family as illustrated through illness patterns, stress, abuse, and health behavior.

- 196 DRUGS IN LIFE STYLES** 2 US-7 F,S
Human, social, and cultural issues surrounding the problems of drug abuse. Personal motivations and behaviors are identified.

- 200 HEALTH INFORMATION MANAGEMENT** 3 S
HSC 105, 201 and 210 req. Maj only or cons inst. Materials charge optional. Compucard charge optional.

Practical applications of word processing and management concepts to health record systems.

- 201 FUNDAMENTALS OF MEDICAL SCIENCE I** 3 F
HSC 105; BSC 181 and 182 req. Maj only. Compucard charge optional.

Relationship between human organism and disease processes, including treatment and management of patients.

- 202 FUNDAMENTALS OF MEDICAL SCIENCE II** 3 S
HSC 201 req. Compucard charge optional.

Continuation of HSC 201.

- 204 HEALTH DATA ANALYSIS** 3 F,S,Summer
HSC maj only. Materials charge optional. Compucard charge optional.

Theory and practice of analysis and presentation of data for management and research in the Health Sciences.

- 205 MEDICAL TERMINOLOGY II** 3 F
HSC 105 req. Compucard charge optional.

Systematic and intensive study of the technical language related to medical science and health specialties.

- 210 INTRODUCTION TO HEALTH INFORMATION MANAGEMENT** 3 F
Materials charge optional. Compucard charge optional.

A survey of the history of medical records and the profession. Analysis of record content, stressing accuracy, completeness, and correlation of data. Numbering and filing systems with emphasis on retention policies and storage methods.

- 212 CLASSIFICATION AND INDEXING SYSTEMS** 2 S
HSC 201, 205, and 210 req. Compucard charge optional.

A study of diagnosis and procedure classification and indexing systems and their application in acute health care settings.

- 213 ADVANCED APPLICATIONS OF CLASSIFICATION AND INDEXING SYSTEMS** 2 F
HSC 202, 212 and 398.03 req. Compucard charge optional.

Application of advanced concepts in classification and indexing systems in acute care settings.

- 214 ALTERNATIVE CLASSIFICATION SYSTEMS** 2 S
HSC 213 req. Compucard charge optional.

Application of various ambulatory and specialized diagnosis and procedure classification systems utilized in alternative health care settings.

- 220 ORGANIZATION AND MANAGEMENT OF RECORD CENTERS** 3 F
HSC 105 and 200; MQM 220 req. Maj only. Compucard charge optional.

Application of principles of organization and management to development and administration of health record centers.

- 230 LAW, HEALTH CARE, AND DOCUMENTATION** 2 S
HSC 105 and 210 req. Maj only. Compucard charge optional.

Federal, state, and local laws governing the preparation and use of medical records.

- 245 ENVIRONMENTAL HEALTH PRACTICE** 3 F,S
Maj/min only. Compucard charge optional.

Environmental health protection through the study of selected environments, planning, and general control methods.

- 246 PESTS AND PEST CONTROL** 3 F
CHE 140 and 141, BSC 160 or 260, or equiv req; HSC 245 req. Compucard charge optional.

Environmental health hazards caused by pests of public health significance, including identification, correction, and prevention of pest problems.

- 247 WASTE MANAGEMENT PRACTICES** 4 F,S
MAT (107 or 119) and 108; CHE 140 and 141, 220; HSC 245; BSC 160 or equiv req. HSC maj only. Lecture and lab. Materials charge optional. Compucard charge optional.

Sewage, solid, and hazardous waste sources: effects on health and environment, treatment processes, and control measures.

- 248 OCCUPATIONAL HEALTH** 3 F,S
CHE 110 and 112; MAT (107 or 119) and 108, or 109 or 120 or 144 or 145 req. HSC maj/min only. Compucard charge optional.

Adverse environmental conditions encountered in the workplace affecting the efficiency, health, and well-being of employees.

- 249 ENVIRONMENTAL TOXICOLOGY** 3 F
MAT (107 or 119) and 108; CHE 140 and 141 or equiv; HPR 182 req. HSC maj only. Compucard charge optional.

Toxicants such as heavy metals, gases, vapors, dusts, pesticides, food additives, and their effects on health and environment.

- 252 WATER QUALITY AND TREATMENT** 3 F,S
MAT (107 or 119) and 108, CHE 140 and 141, 220, BSC 160, or equiv req; HSC 245 req. HSC maj only. Lecture and lab. Materials charge optional. Compucard charge optional.

Water quality maintenance for drinking and recreational uses; health effects and control measures are considered.

- 254 CONTROL OF INSTITUTIONAL ENVIRONMENTS** 3 F,S
CHE 140 and 141, 220; HSC 245; BSC 160 or equiv. HSC maj only. Lecture and lab. Materials charge optional. Compucard charge optional.

Environmental health aspects of hospitals, nursing homes, penal institutions, schools, colleges and universities. Control of physical, chemical and microbiological hazards.

- 257 AIR QUALITY AND POLLUTION CONTROL** 3 F,S
CHE 140 and 141, HPR 182, or equiv; HSC 245 req. HSC 249 rec. HSC maj only. Lecture and lab. Materials charge optional. Compucard charge optional.

Air contaminants found in the ambient air, workplace, and home, including health effects, measurement, and control.

- 258 EPIDEMIOLOGY** 3 F,S
BSC 160 or BSC 260; HSC 204 req. HSC majors only. Compucard charge optional.

Principles and methods governing the surveillance and investigation of disease and injury in human populations.

- 260 INTRODUCTION TO THE MEDICAL LABORATORY: IMMUNOHEMATOLOGY AND SEROLOGY** 4 F,S,Summer
CHE 220 req; enr in Clin Lab Sci Program or cons inst. Lecture and lab. Materials charge optional. Compucard charge optional.

The principles and procedures of immunohematology (blood banking) and serology.

- 261 INTRODUCTION TO THE MEDICAL LABORATORY: HEMATOLOGY** 3 F,S
CHE 220; enr in Clin Lab Sci Program or cons inst. Lecture and lab. Materials charge optional. Compucard charge optional.

Investigation of observable phenomena that provide basis for tests used as aids to diagnosis of disease processes. Uses, misuses, and limitations of laboratory equipment are considered.

- 262 INTRODUCTION TO THE MEDICAL LABORATORY: APPLIED CLINICAL ANALYSIS** 3 F,S
CHE 220; enr in Clin Lab Sci Program or cons inst. Lecture and lab. Materials charge optional. Compucard charge optional.

The principles and procedures of chemical analysis of body fluids in the clinical laboratory. The use of clinical instrumentation is stressed.

- 271 SAFETY TECHNOLOGY** 3 F,S
CHE 110 and 112 or PHY 105; MAT 120, or (107 or 119) and 108, or 109, or 120, or 144 or 145 req. Safety and IT maj only. Formerly IT 271. Compucard charge optional.

Controlling production costs due to accidents. Addresses legislation, worker's compensation, hazard recognition, and safety planning. Includes basic engineering solutions.

- 286 NEEDS ASSESSMENT IN HEALTH EDUCATION** 2 F,S
HSC 190 req. Formerly HSC 290.02, CONTINUING SEMINAR IN HEALTH EDUCATION. Compucard charge optional.

Emphasis on procedures which identify Health Education priorities of populations in various settings. Examination of health needs of select populations.

- 288 SCHOOL HEALTH** 2 or 4 S
HSC 190, 290; C&I 216 req; adm to Teacher Ed req. Health Ed maj req to take 4 hrs. Health Ed min and other teaching maj should enroll for 2 hrs. Incl Clin Exp. Compucard charge optional.

Overview of school health program, with emphasis on health needs of school-age children. Investigation of materials and methodologies appropriate for Health Education.

- 290 STRATEGIES IN HEALTH EDUCATION** 3 F,S
HSC 190 req. Computer skills rec. Formerly HSC 290.01, CONTINUING SEMINAR IN HEALTH EDUCATION. Compucard charge optional.

Examination of the educational process, methods, strategies, and techniques in Health Education, communication techniques and current resources.

- 292 COMMUNITY PUBLIC HEALTH** 3 F
HSC 190 or cons inst req. Compucard charge optional.
 Introduction to community public health at local, state, and national levels. Includes emphasis on community health problems, institutions and resources.
- 294 HEALTH EDUCATION AND ENVIRONMENTAL QUALITY** 3
Compucard charge optional.
 Role of Health Education in an individual's relationships with other persons, technology and culture, and the quality of environment generated.
- 296 CONCEPTS IN HEALTH EDUCATION** 3 S
HSC 190 or cons inst req. Formerly HUMAN POTENTIAL AND HEALTH EDUCATION.
Compucard charge optional.
 An examination of health determinants, major theories, and models of health behavior. Application to Health Education programming will be emphasized.
- 297 MODERN HEALTH PROBLEMS** 3 F,S
Health Ed maj/min only. Compucard charge optional.
 Emphasis on recent developments in selected critical health areas and their application to individual health habits and attitudes.
- 300 MEDICAL INFORMATION SYSTEMS DESIGN** 3 F
HSC 105 and 200; ACC 166 or ACS 150 req. Maj only.
Compucard charge optional.
 Application of computer technology to the health sciences, systems analysis; medical audits and quality assurance programs.
- 310 HEALTH INFORMATION MANAGEMENT SEMINAR** 2 S
HSC 212 and 220 req. Maj only. Compucard charge optional.
 Literature survey and intensive exploration of effective methods of identifying and solving problems encountered in the administration of health record centers.
- 322 POLLUTION PREVENTION** 3 F
CHE 220 req. Compucard charge optional.
 Basic methods in pollution prevention as applied to industrial and nonindustrial settings.
- 340 TRENDS IN HEALTH CARE DELIVERY** 3 S
HSC 210, 212, 220 and/or cons inst req. Compucard charge optional.
 Intense analysis of emerging nontraditional and specialized health care facilities; their organizational patterns, accreditation standards, legal requirements and special documentation needs. Site visits and reports required.
- 345 QUALITY ASSURANCE IN HEALTH CARE** 3 S
HSC 210 and 220 req. Maj only. Compucard charge optional.
 Investigation, identification, assessment, and monitoring of problems in health care.
- 346 HOSPITAL BUDGETING PROCEDURES** 3 F
HSC 212 and 200 req. Maj only. Compucard charge optional.
 Systematic study of hospital planning; coordination of resources and expenditures; reimbursement methods.
- 350 FOOD PROTECTION** 3 S
CHE 140, 141; BSC 160 or equiv req. Lecture and lab.
Materials charge optional. Compucard charge optional.
 An intensive study of the laws, principles, and techniques applied in the protection of food and milk for human consumption.
- 351 ENVIRONMENTAL HEALTH SEMINAR** 1 F,S
May be repeated once. Maj in ENH Program req.
Compucard charge optional.
 Supplement to formal coursework dealing with contemporary topics in environmental pollution, occupational health, and institution environmental quality administration. Content will vary at discretion of instructor.
- 355 ENVIRONMENTAL HEALTH DECISION PROCESSES** 3 F,S
Sr maj in ENH Program or cons inst. Lecture. Compucard charge optional.
 An intensive study of the decision making techniques, organizational structure, interagency relationships, program methodologies, and legal aspects of environmental health practice.
- 359 INDUSTRIAL HYGIENE** 3 F,S
CHE 220, HSC 248 or cons inst req. HSC maj only.
Lecture and lab. Materials charge optional. Compucard charge optional. Formerly HSC 359, QUANTITATIVE OCCUPATIONAL HEALTH.
 Techniques for measurement, evaluation, and control of chemical and physical hazards in occupational environments.
- 360 CLINICAL LABORATORY SCIENCE SEMINAR** 2 F,S
CHE 220; enr in Clin Lab Sci Program req. Compucard charge optional. Formerly SEMINAR IN MEDICAL TECHNOLOGY.
 Review of current literature in clinical laboratory science and the development of a research paper and/or project.
- 361 IML - COAGULATION AND HEMOSTASIS** 2 F
CHE 220 or equiv and BSC 203 or 216 req. Materials charge optional. Compucard charge optional.
 Principles and procedures of blood coagulation and hemostasis.
- 362-369 CLINICAL STUDIES** F,S,Summer
90 hrs incl Univ Studies and the following req courses: HSC 260; BSC 191 or 197, 203 or 216, 260, 283; CHE 140, 141, 220, 242; MAT 144. 2 courses selected from the following: HSC 261, 262; BSC 219, 361; CHE 215. Cons program director req. Acceptance into an affiliated hospital school of medical technology. Evidence of health insurance and professional liability insurance req. May be repeated. Additional information is listed with each course description.
- 362 CLINICAL BIOCHEMISTRY** 1-12 F,S,Summer
Max 12 hrs. Also, see prerequisites for 362-369 Clinical Studies.
 Concentrated laboratory instruction and theoretical applications of clinical biochemistry. Current testing procedures, instrumentation, and quality assurance are studied.
- 363 CLINICAL SEROLOGY AND IMMUNOLOGY** 1-6 F,S,Summer
Max 6 hrs. Also, see prerequisites for 362-369 Clinical Studies.
 Basic immunology, serological reactions, and current serology testing procedures are covered. A concentrated laboratory experience is included.

364 CLINICAL URINALYSIS AND MICROSCOPY 1/2-5 F,S,Summer
Max 5 hrs. Also, see prerequisites for 362-369 Clinical Studies. Materials charge optional.

Lecture and laboratory experience and routine and special urinalysis procedures. Basic microscopy use and maintenance are emphasized.

365 CLINICAL PARASITOLOGY 1/2-5 F,S,Summer
Max 5 hrs. Also, see prerequisites for 362-369 Clinical Studies.

General techniques for identification of clinically significant parasites and yeast. Morphology, symptomology, and epidemiology are stressed. A concentrated laboratory experience included.

366 SPECIAL TOPICS 1/2-5 F,S,Summer
Max 5 hrs. Also, see prerequisites for 362-369 Clinical Studies.

Selected topics of professional significance. May include management, pathology, medico-legal aspects, and basic teaching principles.

367 CLINICAL HEMATOLOGY 1-7 F,S,Summer
Max 7 hrs. Also, see prerequisites for 362-369 Clinical Studies. Materials charge optional.

Study of formed elements of blood under normal and stress conditions. Abnormalities and basic morphological changes due to disease states are studied. Study of coagulation principles is included.

368 CLINICAL MICROBIOLOGY 1-12 F,S,Summer
Max 12 hrs. Also, see prerequisites for 362-369 Clinical Studies.

Comprehensive medical microbiology. Included are taxonomy of pathogens, identification, culture methods and procedures, and antibiotic sensitivity testing.

369 CLINICAL IMMUNOHEMATOLOGY 1-7 F,S,Summer
Max 7 hrs. Also, see prerequisites for 362-369 Clinical Studies.

Theory and practice of immunohematology. Includes study of blood groups, compatibility testing, hemolytic disease of the newborn, blood transfusion, and component preparation.

370 INDUSTRIAL ACCIDENT PREVENTION 3 F,S
PHY 105; MAT (107 or 119) and 108, or 120, or 144, or 145; and HSC 271 req. Maj only. Formerly IT 370. Compucard charge optional.

Principles, responsibilities, and techniques for developing, organizing, implementing, and administering an industrial safety program.

371 ALCOHOL AND ACCIDENT PHENOMENON 3 S
HSC 171 rec. Formerly IT 371. Compucard charge optional.

Effects of alcohol on accident causation. Psychological, physiological, pharmacological actions of alcohol in view of medical, sociological, religious, and economic aspects.

372 ACCIDENT INVESTIGATION, RECORDS, AND EVALUATION 3 F,S
MAT (107 or 119) and 108, or 120, or 144, or 145; CHE 110 or 140, and HSC 271 req. Maj only. Formerly IT 372. Compucard charge optional.

Theory and function of accident investigation, reporting, and analysis systems. Form design and utilization and cost-evaluation procedures.

378 DISASTER PREPAREDNESS 3 F
MAT 120 or (107 or 119) and 108 or 120, or 144, or 145; CHE 110 (or equiv) or PHY 105 (or equiv). Formerly IT 378. Materials charge optional. Compucard charge optional.

Organizing, directing, coordinating disaster services in schools, industry, and local government. Includes T.B.A. 2-day weekend disaster exercise.

380 FIRE PROTECTION AND PREVENTION 4 F,S
MAT 120, or (107 or 119) and 108, or 120, or 144, or 145; HSC 271 and 381; and CHE 110 and 112 req. Maj only. Formerly IT 380. Materials charge optional. Compucard charge optional.

Measures related to safeguarding human life and preservation of property in prevention, detection, and extinguishing fires.

381 OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) 3 F,S
MAT (107 or 119) and 108, or 120, or 144, or 145; HSC 271 and 370 req. Maj only. Formerly IT 381. Materials charge optional. Compucard charge optional.

Interpretation of the provisions of the Occupational Safety and Health Act. The regulations, standards, and reporting required issued pursuant to it.

382 SAFETY PERFORMANCE CONTROL 3 F,S
HSC 204, 370 and 381 req. Maj only. Formerly IT 382. Compucard charge optional.

Development of specialized knowledge and skills in problem-solving; evaluation and implementation of occupational safety programs.

384 HAZARDOUS MATERIALS REGULATION 3 F,S
HSC 271; CHE 220. Compucard charge optional.

Overview of federal and state safety and environmental regulations dealing with hazardous materials in the workplace and community.

385 SYSTEM SAFETY MANAGEMENT AND ENGINEERING 3 F,S
HSC 204, 271, 370. Compucard charge optional.

Application of principles of system analysis, hazard analysis, fault tree analysis and other safety techniques.

388 DIRECTED PRACTICE IN OCCUPATIONAL SAFETY 3
HSC 380, 381, cons inst req. Maj only. Compucard charge optional.

Application of occupational safety principles and techniques in the industrial, insurance, and business environments. Field trips and seminars utilized.

390 DRUGS IN SOCIETY 3 F
Jr/sr status req. Compucard charge optional.

Psychological, social, medical, legal, and economic aspects of use, misuse, and abuse of substances will be explored along with the implications for education.

392 VALUES AND HEALTH 3
Jr/sr status req. Compucard charge optional.

Exploration of the valuing process and its relationship to health and Health Education. Development of skills and techniques of value clarification for use in Health Education with clients.

394 HEALTH ASPECTS OF AGING 3 S
Also offered as HEC 394. Compucard charge optional.

Characteristics of the aging process and factors influencing adaptation and the quality of living.

395 MEDIA AND MATERIALS IN HEALTH EDUCATION 3 F*HSC 286, 290 req. Compucard charge optional.*

Analysis and development of print and non-print materials and their use by health educators.

396 HEALTH EDUCATION PLANNING AND PROMOTION 3 F*HSC 286 req. Compucard charge optional.*

Theory and application of Health Education planning and promotion. Grantsmanship and evaluation will be emphasized.

398.01 PROFESSIONAL PRACTICE: ENVIRONMENTAL HEALTH INTERNSHIP 3-12 F,S,Summer*Cons program dir req. May be repeated; max 12 hrs.*

Internship in a governmental, industrial, or institutional organization, providing on-the-job training and introduction to a career in an environmental health program.

398.02 PROFESSIONAL PRACTICE: INTERNSHIP IN HEALTH EDUCATION 5-9 S,Summer*2.5 maj GPA; HSC 395 and 396 req.*

Extended in-service experience under the guidance of qualified personnel in Health Education.

398.03 PROFESSIONAL PRACTICE: HEALTH INFORMATION MANAGEMENT: CLINICAL INTERNSHIP AND RESIDENCY 2-6 F,S,Summer*Maj only and cons program dir req. Evidence of health insurance and professional liability insurance req.*

Rotation and project assignments in medical record centers in Illinois area health facilities.

398.04 PROFESSIONAL PRACTICE: INTERNSHIP IN SAFETY 3-12 F,S,Summer*HSC 370, 380, 381 req. Jr/sr standing req. 2.5 maj GPA and cons coord req. Formerly 398.01.*

Planned and supervised work/study experiences in local and state business, industries, and governmental agencies engaged in loss prevention.

398.51 PROFESSIONAL PRACTICE: COOP IN ENVIRONMENTAL HEALTH 3-12 F,S,Summer*Cons program dir. May be repeated; max 12 hrs.*

Cooperative education assignment in a governmental, industrial, or institutional organization, providing on-the-job training and introduction to a career in an environmental health program.

398.52 PROFESSIONAL PRACTICE: COOP IN SAFETY 3-16 F,S,Summer*Major GPA or 2.5 and cons coord req. First placement HSC 248 and 271 req with soph/jr standing; second placement HSC 381 req with jr/sr standing; third placement HSC 359 and 380 req. May be repeated; max 16 hrs. Formerly 398.51.*

Planned and supervised, alternated full-time work/study experiences in safety and loss prevention.

HOME ECONOMICS (HEC)**144 Turner Hall, (309) 438-2517****Chairperson:** Connie Ley.**Tenured/Tenure-track Faculty:***Professors:* Ley, Talkington, Webb-Lupo.*Associate Professors:* Canabal, Garner, Kern, Memken, Nnakwe, Power, Shane, Winchip.*Assistant Professors:* Brandes, Garber-Dyar, Gentry, Hayden, Stemm.**Other Faculty:***Lecturers:* Gosch, Kuchenmeister, Mueller, Scholl.**Administrative/Professional:** Brouette, Gallick, Lee, Stephens.**Home Economics Programs**

Degrees Offered: B.A., B.S.

MAJOR IN HOME ECONOMICS**Family, Consumer, and Educational Studies Sequence:**

- 69-120 hours required, including 9-48 hours in University Studies.
- 15-hour Core: HEC 100, 101, 102, 103, 104, 200, 300.
- 45-57-hour Sequence: HEC 226, 231, 232, 233, 244, 310, 333 and option A, B, C, or D that follows. A. Human Development: HEC 250, 307, 308, 309, 398 (3 hrs); SWK 323; and 6 hours from HEC 212, 305, 314, 394; SOC 123 or PSY 123; SED 109. B. Family Relationships: HEC 305, 307, 309, 398 (3 hrs); SWK 323; SED 362; and 6 hours from HEC 212, 250, 394; C&I 312; SOC 123 or PSY 123; SOC 262; SED 109; C. Consumer Services: HEC 331, 343, 398 (3 hrs); COM 165 or ENG 249; MKT 230; and 9 hours from HEC 213, 225, 311, 320. D. Teacher Education: HEC 203 and 382. Part of the endorsement program leading to certification by the State of Illinois for teaching Home Economics courses grades 6-12. Four endorsements are obtained through required Department Core and Sequence courses: 1) Interpersonal & Family Relationships and Parenting, 2) Consumer Education and Resource Management, 3) Interior Furnishings Services/Living Environments, and 4) Institutional and Home Management. Select a minimum of 5 hours to complete 1 or more additional endorsements: 5) Child and Day Care Services 3-5 hours from HEC 250, 307, 308, 314, or 394. 6) Food and Nutrition Services 5 hours from 113, 213, 316, 318, or 319. 7) Fashion and Clothing Services 3-5 hours from HEC 122 or 220, 225, 228, 229, 323, 327, 361, or 368. 24 hours Professional Education (see C&I Professional Education Requirements in Catalog); STT 399. See Teacher Education Admission-Retention Program found in University-wide Teacher Education Program Requirements for admission and retention standards. Also see Home Economics Selective Admission-Retention Policy section of this Catalog.
- 9-48 hours University Studies: ACS 150 or 155 (US 7); and A, B, C, or D corresponding to option chosen above. A. Human Development—BSC 170 (US 3); PSY 111 (US 5). B. Family Relationships—BSC 170 (US 3); PSY 111 (US 5). C. Consumer Services—CHE 104 (US 3); ECO 101, 102 (US 5); BEA 100 (US 7). D. Teacher Education: ENG 145 (US 1), COM 110 (US 1); HIS 135 or 136 (US 2), any US 2 ENG course, any remaining US 2 course: BSC 181 (US 3), CHE 110 & 112 (US 3); MAT 105 or 120 or 121 or 145 or 151 (US 4); POS 105 (US 5), PSY 111 (US 5), any other US 5 course except AGR 110; any US 6 course from ART, IDS, MUS, or THE; HSC 100 or 155 or 171 (US 7); any US 8 course from ART, ENG, HIS, MUS, PHI, or THE. These courses satisfy the Illinois State Board of Education's General Education Certification requirements.
- Recommended University Studies or general electives: ACS 140; BEA 140, 240; COM 123, 162, 163, 223; ENG 145; MAT 120; MKT 231; POS 232; PSY 112; SOC 106, 211.

Food-Nutrition or Dietetics Sequence:

- 60 hours required, including 12 to 17 hours in University Studies.
- 15-hour Core: HEC 100, 101, 102, 103, 104, 200, 300.
- 29-hour Sequence: CHE 220, 242; HPR 182; HEC 113, 213, 216, 318, 319, 398 (3 hrs).
- 4 additional hours from: HEC 198, 232, 233, 287, 311, 312, 313, 315, 316, 320, 333, 393.18 (Travel Study: Foods and Nutrition), 394; HSC 350.
- 12 to 17 hours University Studies: ACS 150 or 155 (US 7); BSC 160 (US 3); CHE 110 and 112 (US 3), or CHE 140 and 141 (US 3).
- Recommended University Studies or general electives: ACS 168; COM 240, 241, 365.
- For students interested in food service management careers, a minor in Business Administration including MQM 220 is strongly recommended.
- Students interested in Dietetics must complete the following courses for American Dietetics Association (ADA) transcript evaluation: COM 110, 123 or 225, 240, 297; C&I 216; ECO 101; HEC 311, 312, 316; HSC 105; MQM 220; MAT 119; PSY 111, 215, 240; SOC 106, 180 or 184. After graduation, an ADA approved internship and ADA registration examination must be successfully completed.

Housing and Environmental Design Sequence:

- 75 hours required, including 18 hours in University Studies.
- 15-hour Core: HEC 100, 101, 102, 103, 104, 200, 300.
- 42-hour Sequence: ART 104, 352, 372; HEC 218, 225, 242, 244, 338, 340, 370, 375, 398 (3 hrs); IT 211.
- 18 hours University Studies: ACS 150 or 155 (US 7); ART 150 or ART 155 or ART 156 or ART 257 (US 6); BEA 100 (US 7); COM 110, 123 (US 1); PHY 100 (US 3).
- Recommended University Studies or general electives: ART 103 or 369, 226, 227, 238, 363, 378, 380, 381, 382; CHE 104; ECO 101; HEC 198, 232, 233, 248, 320, 323, 333, 343, 345, 346, 347, 365, 393.38 (Travel Study: Housing and Environmental Design); IT 110, 194, 216, 221; MKT 230, 234, 235; PSY 111; SOC 106.
- For membership in the American Society of Interior Design (ASID), students must work full time for 2 years as an interior designer prior to successful completion of the ASID examination.

Apparel, Merchandising and Design Sequence:

- 69 hours required, including 9 hours in University Studies.
- 15-hour Core: HEC 100, 101, 102, 103, 104, 200, 300.
- 45-hour Sequence: HEC 122 or 220, 225, 226, 328, 329, 365 or 398 (3 hrs) and A or B following: A. Fashion Merchandising: HEC 368, 369, 398 (3 hrs); MKT 230; MKT 233 or 234 or 335; MQM 220; and 9 hours electives. B. Design/Production: HEC 220 or 325, or 326, 228, 322, 323 or 324, 327, 361 or 362, and 9 hours electives. The electives should be chosen from the following list: ART 103, 240, 241, 352; HEC 220, 228, 229, 233, 289 (Design and Production of Knitwear), 320, 322, 323, 324, 325, 326, 327, 331, 333, 361, 362, 365, 368, 369, 393 (Travel Study: Fashion Merchandising) 398; IT 110.
- 9 hours University Studies: ACS 150 or 155 (US 7); CHE 104 (US 3); ECO 101 (US 5).
- Recommended University Studies or general electives: ART 150, 155, 156, 257; ECO 102; MAT 105 or 120; PSY 111; SOC 106; THE 130.

- For Fashion Merchandising a Business Administration or Communication minor is recommended. For Apparel Design an Art minor is recommended. For Production a minor in Business Administration or Industrial Technology is recommended.

General Home Economics Sequence:

- 45 hours required, including 6 hours in University Studies.
- 15-hour Core: HEC 100, 101, 102, 103, 104, 200, 300.
- 24 additional hours in HEC to be selected with advisor approval, 9 hours of which must be at the 300-level.
- 6 hours University Studies: ACS 150 or 155 (US 7), BSC 170 or CHE 104 or 110 or PHY 100 (US 3).

MINOR IN HOME ECONOMICS

- 24 hours required in HEC.
- 15-hour Core: HEC 100, 101, 102, 103, 104, 200, 300.
- 9 additional hours in HEC.

Selective Admission-Retention Policy for the Teacher Education Sequence in Home Economics

Selective Admission: All Home Economics Education students planning to become certified teachers must apply for and be admitted to the University's Teacher Education Program (see Teacher Education Admission-Retention Program section of this Catalog). Upon applying for admission each Home Economics student must have verified the following:

1. A minimum GPA of 2.5 overall and in all Home Economics courses including Professional Education courses.
2. A positive recommendation for Admission to Teacher Education by all Home Economics faculty. See departmental advisor for procedure.
3. An interview with the Home Economics Education Coordinator.
4. Completion of HEC 100.

Selective Retention: In order to receive departmental approval for a student teaching assignment the student must verify the following:

1. Maintain a GPA of 2.5 in all courses and in all Home Economics courses including Professional Education courses.
2. Completion of Home Economics 200; or the equivalent for transfer students.

HONORS IN HOME ECONOMICS

The Department offers honors work in each Home Economics sequence to highly qualified juniors and seniors. Candidates must be full-time students, declared Home Economics majors, and have an overall 3.5 GPA and 3.7 GPA in Home Economics. Honors requirements include completion of 3 in-course honors at the 200-level or above (at least 2 must be taken in the Department), and a minimum of 3 hours in HEC 299 culminating in a substantial research paper. The Department also offers in-course honors work in all courses for students enrolled in the University Honors Program or in any departmental honors program. In-course honors work is offered at the discretion of the instructor. For further information contact the departmental advisor.

Home Economics Courses**100 INTRODUCTION TO HOME ECONOMICS****1 F,S***Incl Clin Exp.*

The development of Home Economics: contribution to society, career opportunities including job characteristics, academic preparation and professional organizations.

- 101 HUMAN AND FAMILY DEVELOPMENT** 3 F,S
Human development throughout the lifespan within the context of the developing family unit.
- 102 NUTRITION IN THE LIFE SPAN** 3 F,S
Nutrients needed by humans. Food choices to meet nutrition needs of individuals and families throughout the life cycle.
- 103 MANAGEMENT FOR CONSUMERS** 3 F,S
Management principles for individual and family problems in the home and marketplace.
- 104 DESIGN IN THE HUMAN ENVIRONMENT** 3 F,S
Design fundamentals: principles of design and their influence on individual and family lifestyles.
- 106 NUTRITION** 2 US-7 F,S
Not for cr maj/min
Functions, sources, and recommended amounts of nutrients for various age groups. Evaluation of eating patterns.
- 113 PRINCIPLES OF FOOD PREPARATION** 3 F,S
HEC 102 or 106 req. Materials charge optional.
Scientific principles involved in the preparation of food.
- 122 CLOTHING CONSTRUCTION I** 3 F,S
Materials charge optional.
Basic apparel production techniques.
- 131 COURTSHIP AND MARRIAGE** 3 US-7 F,S
Not for cr maj/min.
Dynamics of dating, courtship, mate selection, preparation for marriage; adjustments in marital/interpersonal relations.
- 132 HOME MANAGEMENT IN CONTEMPORARY LIFE** 3 US-7 F,S
Not for cr maj/min.
Principles, decision making processes of using money, time, energy to meet individual and family needs.
- 198 PROFESSIONAL PRACTICE** 1 Summer
Maj only. 2.0 GPA; 27 hrs; HEC 100; and approved application req. CR/NC only. May be repeated; max 3 hrs.
Exploration of entry-level career opportunities. Observation of professional skills and competencies of practicing home economists.
- 200 HOME ECONOMICS CAREER OPTIONS** 1 F,S
HEC 100, 101, 102, 103, and 104 req.
Exploration of careers, preparation for employment, and development of professional philosophy.
- 203 COMPETENCIES FOR TEACHING** 4 S
C or better in C&I 214 or 215 or 216 or PSY 215 (6 hrs), or conc reg req. Field trips req. Adm to Teacher Ed req. Incl Clin Exp.
Curriculum development, evaluation, teaching strategies, and professionalism for vocational education teachers.
- 212 FAMILY HEALTH AND WELL BEING** 2
Relation of individual health and family well-being.
- 213 MEAL MANAGEMENT** 3 F,S
HEC 113 req. Materials charge optional.
Meal planning based on criteria of nutritive requirements, marketing challenges, and utilization of resources. Preparation and service of meals for small groups.
- 216 APPLIED NUTRITION** 3 F
HEC 102 or 106, HPR 182 req; CHE 242 conc reg rec.
Intermediate course focusing on physiological and biochemical basis for human nutritional requirements. Includes study of food as carrier of nutrients.
- 218 ENERGY SYSTEMS FOR RESIDENTIAL DESIGN** 2 F,S
HEC 104, 242 req. HEC 244 conc reg rec. Field trips. Materials charge optional.
Design and evaluation of appropriate energy systems in residential construction. Includes heating/cooling, lighting, major appliances, and sound.
- 220 CLOTHING CONSTRUCTION II** 3
Sewing experience req. Materials charge optional.
Advanced garment construction study. Experience working with various fabrics, fitting techniques, commercial seams, and computer applications.
- 225 TEXTILES** 3 F,S
HEC 104 req. Lecture and lab. Materials charge optional.
Fundamentals of textile science: fibers, yarns, fabrications, finishes, and dyeing. Selection and care of apparel/home furnishings fabrics. Textile legislation.
- 226 APPAREL** 3 F,S
HEC 104 req; 101 and 103 rec.
Cultural, socio-psychological, aesthetic and economic factors related to the selection and use of apparel throughout the life span.
- 228 APPAREL DESIGN** 3 S
HEC 104, 122 or 220, 226 req. Materials charge optional. Compucard charge optional.
Application of art principles to apparel creation through computers and hand techniques. Idea development from conception through production to retailing. Style nomenclature emphasized.
- 229 FASHION ACCESSORIES** 2
HEC 104 req. Field trips req.
Accessories for men, women, and children in relation to materials and processes, government regulations, sources, and merchandising techniques.
- 231 FAMILY RELATIONSHIPS** 3 F,S
HEC 101 req or C&I 261 conc reg rec.
Functions of productive family units to fulfill individual and group needs. Emphasis on the skills needed by the parent.
- 232 ADVANCED HOME MANAGEMENT CONCEPTS** 3
HEC 103 or 132 req. Field trips req.
Problem solving approach to the use of managerial components and their functional relationships to the complexities of today's living.
- 233 FAMILY ECONOMIC RESOURCES** 3
HEC 103 req.
Economic description of the family emphasizing the family's financial, physical, and human capital investments over the life cycle.
- 242 DRAFTING FOR INTERIOR DESIGN** 3 F,S
HEC 104 req. Materials charge optional.
Introduces students to equipment, media, and techniques for graphic presentation of architectural design.
- 244 INTERIOR SYSTEMS AND HOUSING** 3 S
HEC 104 req. Field trips.
Consumer choice of dwelling and the analysis of interior spaces and equipment.

248 CONTEMPORARY INTERIOR DESIGN 2 F
HEC 104 rec. Field trips req.

Philosophies and individuals who have influenced contemporary furnishings, interiors, and structures from 1850 to present.

250 CHILD DEVELOPMENT AND GUIDANCE 3 F,S
HEC 101 req. Incl Clin Exp. Not to be taken conc with HEC 307.

Applied child development in day-care and nursery-school settings. Covers guidance techniques and developmentally appropriate curriculum. Observation included.

300 CONTEMPORARY ISSUES IN HOME ECONOMICS 1 F,S
HEC 200 req. Sr standing.

Issues in home economics with particular emphasis on their relation to career options for home economics professionals.

305 FAMILIES IN LATER LIFE 3 S
Exploration of family dynamics in later life. Emphasis on developmental tasks, needs and decision-making issues of aging family members.**307 INFANT AND PRESCHOOL CHILD 3 F**
PSY 111; HEC 101 and 250 req. Incl Clin Exp.
Research in the growth and behavior of the young child as related to family and society.**308 ORGANIZATION AND ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS 3 S**
HEC 250 req or cons inst. Incl Clin Exp.

Administration of early childhood programs and community services responsible for guidance of young children.

309 COUPLE RELATIONSHIPS 3 F
HEC 231 req.

An interactional approach to the study of intimate male-female pairings: establishing couple relationships and developing effective intimate pairing communication; an overview of marriage enrichment history, programs, practice, theory, and research.

310 FAMILY CRISES 3 S
Field trips.

Cognitive and affective exploration of family crisis definition, the relationship-termination crises of death and divorce, and overview of professional helping resources.

311 COMMUNITY NUTRITION 3 F
HEC 102 or 106 req.

Nutritional needs of selected populations vulnerable to inadequate diet; emphasis on U.S. programs designed for groups at nutritional risk.

312 DIET THERAPY 3 S
HEC 216 req.

Planning modified diets and studying underlying diseases. Nutritional counseling of individuals and groups.

313 FOOD CUSTOMS 2 S
HEC 213 req. Materials charge optional.

Influence of food customs of various ethnic groups on American meal patterns.

314 EARLY CHILDHOOD NUTRITION EDUCATION 3
Incl Clin Exp.

Principles of nutrition and current research. Emphasis on the needs of young children. Guidance in implementing a sound nutritional education program.

315 NUTRITION FOR HEALTH AND PHYSICAL FITNESS 3 S
HEC 102 or 106 (or cons inst) and HPR 182, or BSC 181 and 182 req.

An advanced course focusing on the physiological and biochemical importance of nutrition to health, physical fitness, and sports.

316 FOOD SCIENCE 3 F
HEC 213; CHE 110 and 112 req. Materials charge optional.

Experimental approach to principles underlying food preparation.

318 FOOD SERVICE MANAGEMENT 3 F
HEC 103 and 213 req.

Management of commercial foodservice systems: planning control systems, decision making, human considerations.

319 QUANTITY FOODS 3 F,S
HEC 213 req. Field trips.

Principles, techniques, and standards required to procure, store, and produce food in quantity for institutional and commercial feeding.

320 PRESENTATION AND DEMONSTRATION TECHNIQUES 2
Incl Clin Exp.

Techniques and standards for presentations and demonstrations in various areas of home economics.

322 FLAT PATTERN DESIGN 3
HEC 122 or 220 or equiv req. Materials charge optional. Compucard charge optional.

Computer and hand techniques in making garment patterns by the flat pattern method.

323 ADVANCED TEXTILES 3
HEC 225 req. Lecture and lab. Materials charge optional.

Developments in the textile field, particularly man-made fibers and their products. Textile-testing techniques.

324 DRAPING AND DESIGN 3
HEC 122 or 220 req. Materials charge optional.

Interpretation of garment designs in fabric by means of the draping procedure.

325 TAILORING 3
HEC 122 or 220 req. Materials charge optional.

Comparative study and construction of suits and coats using recognized techniques that insure professional products.

326 FITTING AND PATTERNMAKING 3
HEC 122 or 220 or equiv req. Materials charge optional. Formerly FITTING AND ALTERATION.

Investigation and comparison of various methods of fitting and patternmaking for different age groups, using hand and computer techniques.

327 CLOTHING AND BEHAVIOR 3
HEC 226; SOC 106 or PSY 111 req.

Factors that influence behavior in respect to clothing selection and use. Emphasis on research.

328 ECONOMICS OF FASHION 3
HEC 226 and ECO 101 req.

Fashion as an economic force. Fashion's influence on production distribution and consumption of textiles and clothing.

329 APPAREL PRODUCT ANALYSIS 3
HEC 122 or 220; 225, 226 req.

Overview of apparel manufacturing and analysis of ready-to-wear apparel product quality.

330 DECISION-MAKING FOR CONSUMERS**3 F,S***Also offered as BEA 330.*

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life style, consumer protection, leisure, and achieving financial security.

331 CONSUMER MATERIALS**3***HEC 103 req; 233 rec.*

Application and evaluation of consumer information sources.

333 FAMILY AND CONSUMER PUBLIC POLICY**3 S***HEC 103 req; 233 rec.*

Public and private sector programs serving human needs; role of the home economist in the public policy arena.

338 HISTORY OF FURNISHINGS AND INTERIORS**3 S***HEC 104 rec.*

Furnishings and interiors from antiquity to the late 19th century.

340 APPLIED INTERIOR DESIGN**4 F,S***HEC 225 and 242 req. HEC 244, IT 211 conc reg rec. Lecture and lab. Materials charge optional.*

Principles in designing interior environments to meet human needs. Laboratory includes experiences with computer and hand techniques.

343 CONSUMER HOUSING ALTERNATIVES**3***HEC 244 req. Field trips req.*

Facts, concepts, and perceptions regarding the housing alternatives confronting consumers seeking housing commensurate with current needs and future demands.

345 ENVIRONMENTAL DESIGN AS A PROFESSION**2***HEC 340 req.*

Professional principles and practice of interior design careers, including systems, forms, and logistics of money and materials.

346 ENVIRONMENTAL LIGHTING**2***HEC 244 req.*

The design of the luminous environment. Emphasis on lighting methods, lighting system elements, and energy conservation.

347 HUMAN FACTORS IN INTERIOR ENVIRONMENTS**2***HEC 244 req.*

Functional and aesthetic aspects of interior environments. Emphasis on interface between man-made environments and humans. Needs of special populations addressed.

361 FASHION HISTORY**3 F***HEC 226 req.*

Fashion from antiquity through the 19th century, with emphasis on apparel of the western world.

362 TWENTIETH-CENTURY FASHION**3 S***HEC 226 req; 361 rec.*

20th century fashions: the personalities and cultural forces that influence them.

365 DESIGN STUDIO**3***HEC 340 and ART 352, or HEC 228 and 2 from the following: HEC 322, 324, 325, 326 req and 2.5 overall GPA on date of application req.*

Advanced problem solving in apparel or environmental design.

368 FASHION PROMOTION**3 F,S***HEC 226 req.*

Apparel merchandising techniques with emphasis on visual merchandising, advertising, fashion shows, and related promotional activities.

369 FASHION MERCHANDISING**3 F,S***HEC 226; MKT 230; MQM 220 req. Field trips req. Compucard charge optional.*

Management and operation of apparel retail firms with emphasis on store organization, salesmanship, inventory control, retail buying, and retail mathematics.

370 RESIDENTIAL DESIGN STUDIO**4 F,S***HEC 218, 340; ART 352 req. Field trips req. Materials charge optional. Compucard charge optional.*

Analysis of the total residential environment. Emphasis on functional uses of form and space. Includes experiences with computer and hand techniques.

375 NON-RESIDENTIAL DESIGN STUDIO**4 F,S***HEC 370 req. Materials charge optional. Compucard charge optional.*

Studies of design theory, in relation to non-residential interiors. Ergonomics is emphasized. Includes computer and hand techniques.

380 ORGANIZATION AND ADMINISTRATION OF VOCATIONAL COOPERATIVE EDUCATION PROGRAMS**3***Also offered as AGR 380, BEA 380, and IT 305. Incl Clin Exp.*

Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan.

382 COORDINATION TECHNIQUES OF COOPERATIVE VOCATIONAL EDUCATION PROGRAMS**3***Also offered as AGR 382, BEA 382, and IT 306. Incl Clin Exp.*

Coordination techniques needed for high school and post-secondary teacher coordination in integrating classroom activities with daily employment.

394 HEALTH ASPECTS OF AGING**3 S***Also offered as HSC 394.*

Characteristics of the aging process and factors influencing adaptations and the quality of living.

398 PROFESSIONAL PRACTICE: HOME ECONOMICS**2-4 F,S,Summer***Jr/sr standing (74 hrs) req; HEC 200 and 50 percent seq req; 2.0 overall GPA on date of application req. May be repeated once. See advisor for additional seq req. Placement is not guaranteed. Prior cons dept chair req.*

Planned and supervised work experience in government, community, business, or industry.

398.01 PROFESSIONAL PRACTICE: CHILD DEVELOPMENT AND FAMILY RELATIONSHIPS**398.02 PROFESSIONAL PRACTICE: CONSUMER SERVICES****398.03 PROFESSIONAL PRACTICE: FOOD-NUTRITION OR DIETETICS**

**398.04 PROFESSIONAL PRACTICE:
HOUSING AND
ENVIRONMENTAL DESIGN**

**398.05 PROFESSIONAL PRACTICE:
FASHION MERCHANDISING
AND DESIGN**

INDUSTRIAL TECHNOLOGY (IT)

211 Turner Hall, (309) 438-3661

Chairperson: Franzie Loepp.

Tenured/Tenure-track Faculty:

Distinguished Professor: Loepp.

Professors: Brauchle, Campbell, Francis, Liedtke, Lockwood, Loepp, Quane, Weede.

Associate Professors: Brown, Stier, Toppen, Wamble, Wiens.

Assistant Professors: Boser, Daugherty, Nelsen, Snyder, Williamson, Young.

Other Faculty:

Faculty Fellow: Professors: Pendleton, Talkington.

Lecturers: Age, Devine, McBurney, Smith.

Administrative/Professional: Evens, Hibma, Quane.

Industrial Technology is defined as the creative, systematic application of knowledge utilizing human and natural resources involving tools, equipment, techniques, processes, procedures, scientific principles, and management skills to produce and distribute goods, services and information to cope with change or to control environmental conditions and their effect on society and culture.

Industrial Technology students are required to select one of the following sequences: General Technology, Construction Technology, Energy and Power Technology, Graphic Communication Technology, Manufacturing Technology, or Industrial Education.

The academic standards of the University apply to all students enrolled in the Department of Industrial Technology.

HONORS IN INDUSTRIAL TECHNOLOGY

The Department offers honors work in the different departmental programs to majors who have completed 60 semester hours with a cumulative 3.5 GPA. Students interested in the program should see the departmental honors advisor. Requirements for honors for the Industrial Technology Honors Program are available in the departmental Office (210 Turner Hall).

Students who are majoring in Industrial Technology may enroll in sections of courses labeled "Majors Only." General students and all other majors should select sections of courses that are not designated for majors only.

Industrial Technology majors who desire to elect more than 25 percent (30 credits) of their course work in the College of Business must meet all College of Business requirements for graduation. These students may register for additional courses only with the permission of the College of Business advisor.

Technology Programs

Degree Offered: B.S.

NOTE: Only core courses (IT 100, 120, 121, 130, 131, 140, 141, 150, 151, 210, 311, 313; ACS 155.02, 164, or 168; CHE 110, 112; HSC 271; MQM 100; PHY 105; PSY 111, 230; and MAT 120 or 145 if applicable for the major) may be used to meet the requirements for a double major or minor in Industrial Technology.

MAJOR IN INDUSTRIAL TECHNOLOGY

General Technology Sequence:

The General Technology Sequence is a technically-oriented curriculum related to the processes, products, and problems of industry with respect to the technologies of construction, energy, graphic communication, or manufacturing with the opportunity to specialize in a technical concentration. Students are required to complete a second major or a minor in order to increase their breadth and employability. The technical concentration and second major or minor selected depend on the goals of the student.

- 58 hours required, of which 19 satisfy University Studies requirements.
- Students must complete a minor or another major.
- Required courses: IT 100, 210, 311, 313; HSC 271; MAT 120 or 145; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: MAT 120 (or 145); CHE 110 and 112 (or 140 and 141); PHY 105 (or 108 and 109); ACS 155.02 (or 164 or 168) PSY 111.
- 18 hours of additional courses (students should select a technical concentration and related courses with the advice of an academic advisor): IT 120, 121, 130, 131, 140, 141, 150, 151, 211, 212, 213, 216, 221, 222, 230, 233, 234, 240, 241, 242, 244, 250, 251, 253, 261, 262, 263, 266, 284, 285, 292, 312, 322, 323, 324, 331, 334, 345, 352, 365, 367, 384, 385, 388.

Construction Technology Sequence:

Construction Technology is a study of the conversion of raw and standard manufactured materials into shelters, enclosures, containments, surfaces, and structural apparatus to minimize energy consumption; special consideration is given to the utilization of renewable energy sources. The construction process utilizes effective design and fabrication techniques through the application of planned management systems. A knowledge of labor, materials, site-development, construction procedures, construction contracts, and capital is required. The goal of this sequence is to prepare construction management professionals capable of managing construction projects to completion from plans prepared by architects and engineers.

- 75 hours required, of which 19 satisfy University Studies requirements.
- Required courses: IT 100, 120, 121; 4 hours from 130, 131, 140, 141, 150, 151; 210, 311, 313; 394 or 398.02 (4 hrs) or 398.52 (4 hrs); HSC 271; MAT 120 or 145; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: MAT 120 (or 145); CHE 110 and 112 (or 140 and 141); PHY 105 (or 108 and 109); ACS 155.02 (or 164 or 168); PSY 111.
- 23 hours of additional courses selected from the following: IT 211, 216, 221, 222, 292, 312, 322, 323, 324, 367 and 368.

Energy and Power Technology Sequence:

Energy and Power Technology is a study of the creative, systematic application of knowledge using human and material resources involving tools, equipment, techniques, processes, scientific principles and management skills to perform work related to the production, transportation, distribution, and utilization of economic goods and services through the conversion, transmission, storage utilization, and control of energy. In-depth knowledge in one of the following areas is required: automotive, electronics, energy systems, or industrial process control. The goal of this sequence is to

prepare professionals who can analyze a system that utilizes energy and then recommend and/or take corrective action to cause the system to operate with less energy.

- 74 hours required, of which 19 satisfy University Studies requirements.
- Required courses: IT 100, 140, 141; 4 hours from 120, 121, 130, 131, 150, 151; 210, 311, 313; 391 or 398.02 (4 hrs) or 398.52 (4 hrs); HSC 271; MAT 120 or 145; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: MAT 120 (or 145); CHE 110 and 112 (or 140 and 141); PHY 105 (or 108 and 109); ACS 155.02 (or 164 or 168); PSY 111.
- 23 hours of additional courses (students should select a technical concentration and related courses with the advice of an academic advisor): IT 211, 216, 233, 240, 241, 242, 244, 261, 262, 263, 264, 265, 266, 267, 268, 284, 285, 342, 344, 345, 346, 347, 361, 365, 367, 368, and 383.

NOTE: (Students interested in an automotive program should contact the departmental advisor.)

Graphic Communication Technology Sequence:

Graphic Communication Technology is the creative, systematic application of knowledge, utilizing human resources, natural resources and manufactured material involving industrial tools and equipment, computers, techniques, processes, procedures, scientific principles, and means for organizing work to produce, distribute, store and retrieve information and decorative material to help humans cope with change and/or understand their society. In-depth knowledge of one of the following areas is required: computer systems, drafting, or graphic arts. The goal of this sequence is to prepare persons to enter industry as technologists, mid-managers and/or technical sales personnel.

- 74 hours required, of which 19 satisfy University Studies requirements.
- Required courses: IT 100, 150, 151; 4 hours from 120, 121, 130, 131, 140, 141; 210, 311, 313; 390 or 398.02 (4 hrs) or 398.52 (4 hrs); HSC 271; MAT 120 or 145; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: MAT 120 (or 145); CHE 110 and 112 (or 140 and 141); PHY 105 (or 108 and 109); ACS 155.02 (or 164 or 168); PSY 111.
- 23 hours of additional courses. Students interested in Drafting or Graphic Arts should select 23 hours from the following courses: IT 211, 212, 213, 216, 221, 233, 240, 241, 250, 251, 253, 254, 261, 263, 284, 285, 292, 315, 319, 349, 351, 352, 353, 354, 365, 367, and 383. Students interested in Industrial Computer Systems should select 23-25 hours from the following: (216, 315, and 319) or (284, 315, and 383) and (212, 213, 250, and 352) or (211, 221, 322, 323 and 365 or 367) or (233, 285, 292, and 331) or (240, 244, 263, and 345).

Manufacturing Technology Sequence:

Manufacturing Technology is a study of the systematic changes in the form and/or utility of matter involving human and natural resources to produce economic goods and the impact of this activity on society and the environment. Changes include separating, forming, and/or combining matter and energy through the use of tools, equipment, microprocessors, scientific principles and management skills to alter their characteristics, properties, uses and values. In-depth knowledge in one of the following technologies is required: plastic, metal, or wood technology. Students have

the opportunity to develop competencies in the use of CAD/CAM systems. The goal of this Sequence is to prepare supervisory personnel for the manufacturing industry.

- 74 hours required, of which 19 satisfy University Studies requirements.
- Required courses: IT 100, 130, 131; 4 hours from 120, 121, 140, 141, 150, 151; 210, 311, 313; 392 or 398.02 (4 hrs) or 398.52 (4 hrs); HSC 271; MAT 120 or 145; MQM 100; PSY 230. The following courses also satisfy requirements in University Studies: MAT 120 (or 145); CHE 110 and 112 (or 140 and 141); PHY 105 (or 108 and 109); ACS 155.02 (or 164 or 168); PSY 111.
- 23 hours of additional courses (students are advised to select a technical concentration and related courses with the advice of an academic advisor): IT 216, 230, 233, 234, 240, 263, 284, 285, 292, 312, 315, 319, 331, 334, 347, 383, 384, 385, 387, and 388.

Industrial Technology Education Sequence:

Industrial Technology Education includes: (1) a study of the concepts practiced in modern technological systems of energy utilization, communication, production, and transportation; (2) the development of cognitive, psychomotor, and affective skills in these 4 areas related to the use of tools, materials, processes, resources, techniques, scientific principles, work (skill and organization), and products as well as their impacts on society; and (3) the professional competencies of planning, executing and evaluating instruction. Students are encouraged to consider a second certification in an academic area such as Physics, Chemistry or Mathematics. Part of the entitlement program leading to certification; Secondary 6-12.

- 94 hours required, of which 22 satisfy University Studies requirements and 26 satisfy Professional Education requirements.
- Required courses: IT 101, 120, 121, 130, 131, 140, 141, 150, 151; IT 203 which must be taken concurrently with student teaching; IT 210. The following courses also satisfy requirements in University Studies: MAT 120 (or 145); ACS 140 (or 155 or 164 or 168); 6 hours in CHE and/or PHY (including a lab); HIS 135 or 136; POS 105; PSY 111.
- 20 hours of additional IT courses with at least 9 hours beyond the required course, in 1 of the following areas: construction, electronics, graphic communications, transportation, manufacturing, industrial technology, drafting/design with a GPA of 2.8 in these courses.
- University Studies courses required: ACS 140 or 155 or 164 or 168; 6 hours in CHE and/or PHY (including a lab); HIS 135 or 136; POS 105; PSY 111.
- 26 hours Professional Education courses: (see Professional Education requirements); STT 399.33 (12 hrs).

MINOR IN INDUSTRIAL TECHNOLOGY

- 33 hours required, of which at least 11 satisfy University Studies requirements.
- Required courses: IT 100, HSC 171 (US-7); 4 hours from IT 120, 121, 130, 131, 140, 141, 150, 151; IT 210, 311. The following courses also satisfy requirements in University Studies: MAT 120 (or 145); ACS 155.02 (or 164 or 168); CHE 110 and 112 or PHY 105.
- 7 hours of additional courses from: IT 211, 212, 213, 221, 233, 234, 240, 242, 250, 251, 261, 262, 285, 312, 313, 331, 365, 367, 384, and 385.
- University Studies courses required: ACS 155.02, 164 or 168; CHE 110 and 112 or PHY 105.

Industrial Technology Courses

100 INTRODUCTION TO INDUSTRIAL TECHNOLOGY 1 F,S

Materials charge optional.

Study of Industrial Technology, programs in the Department, and career opportunities in Industrial Education and Industrial Technology.

101 INTRODUCTION TO TEACHING IN INDUSTRIAL EDUCATION 2 F,S

Incl Clin Exp.

Observation, identification, and execution of selected tasks typically performed by Industrial Education teachers.

110 INTRODUCTION TO MICROCAD 1 F,S

Not for cr maj/min.

Computer-assisted drawing using microCAD software to introduce basic command usage and procedures for graphic representation and drawing creation.

120 CONSTRUCTION PROCESSES AND MATERIALS 3 F,S

Formerly 194 or 194.01. Materials charge optional. Compucard charge optional.

Introduction to construction practices and materials used in residential and light frame construction.

121 CONSTRUCTION EQUIPMENT OPERATION AND SAFETY 2 F,S

Formerly 194.02. Materials charge optional.

Selection and safe operation of power tools and equipment used in construction, manufacturing, service industries.

130 INTRODUCTION TO MANUFACTURING PROCESSES 2 F,S

Formerly 192.01. Materials charge optional.

Study and practice of basic manufacturing processes, including forming, casting, separating, joining, conditioning, and finishing.

131 INTRODUCTION TO MANUFACTURING MANAGEMENT 2 F,S

Formerly 192.02. Materials charge optional.

Introduction to manufacturing organization and management, with lab.

140 ELECTRICAL TECHNOLOGY 2 F,S

Formerly 191.01. Materials charge optional.

Basic fundamentals including the production, control, and conversion of electrical energy.

141 POWER TECHNOLOGY 2 F,S

Formerly 191.02. Materials charge optional.

Principles of heat engines, fluid power and mechanical power systems related to energy source conversion, transmission, control, and utilization.

143 INTRODUCTION TO ELECTRONIC DATA COMMUNICATIONS 3 F,S

MAT 120 or 145 req.

Overview of the fundamentals, concepts, and theory of basic electronics essential to telecommunications systems.

150 INTRODUCTION TO GRAPHIC ARTS PROCESSES 2 F,S

Formerly 190.02. Materials charge optional.

Introduction to major printing processes, materials, equipment, and the preparation of image designs for production.

151 INTRODUCTION TO INDUSTRIAL COMPUTER APPLICATIONS 2 F,S

Formerly 190.01. Materials charge optional.

Study and basic use of methods, materials, software, and equipment used in industrial design, data analysis and presentation, and automation.

163 AUTOMOTIVE FUNDAMENTALS 2

Not for cr maj/min. Materials charge optional.

Theory and laboratory experiences in maintenance and repair of automobile components; emphasis on preventative maintenance.

203 COMPETENCIES FOR TEACHING 4 S

IT 101 req. C or better in C&I 216 or PSY 215 or conc reg req. Not for cr if had 194.02. Incl Clin Exp. Conc reg in Student Teaching and Adm to Teacher Ed req.

Curriculum planning, teaching, and evaluation strategies, and professionalism for Industrial Education teachers.

208 PERSPECTIVES IN TECHNOLOGY 3 US-7 F,S

Soph standing req.

Introduction to industrial technology systems, their characteristics and development, how they shape and are shaped by society and culture, and resulting major issues.

210 TECHNICAL DRAFTING 4 F,S

MAT 120 or 144 or 145 or conc reg req. Formerly 210.01. Materials charge optional. Compucard charge optional.

Graphic tools, techniques, and processes; CAD systems, drafting machines, and printing equipment used in the development and representation of industrial products.

211 ARCHITECTURAL DRAFTING 4 F,S

MAT 120 or 144 or 145 or conc reg req. Formerly CONSTRUCTION TECHNOLOGY. Materials charge optional. Compucard charge optional.

Problem approach to architecture; emphasis on residential planning and construction. Laboratory devoted to development of working drawings.

212 MACHINE DESIGN 3 F

IT 210 or demonstrated equiv competencies req. Materials charge optional. Compucard charge optional.

Theoretical principles and conventional practices used in the design of machines and machine elements.

213 GRAPHICAL ANALYSIS FOR DESIGN 4 S

IT 210 or demonstrated equiv competencies req. Materials charge optional. Compucard charge optional.

Graphical techniques used to design, analyze, and produce product designs for manufacturing and construction. Includes computer modeling.

216 COMPUTER-AIDED DESIGN AND DRAFTING 3 F,S

IT 210; ACS 155 or 164 or 168 req. Materials charge optional. Compucard charge optional.

Use, evaluation, and development of computer-aided design and drafting (CAD/D) software, hardware, and systems.

221 CONSTRUCTION MANAGEMENT 4 F,S

MAT 120 or 144 or 145 or conc reg; IT 121 or conc reg; HEC maj req. Materials charge optional. Compucard charge optional.

A study of management techniques and processes used in the development and operation of a light frame construction company.

222 MECHANICAL SYSTEMS**FOR BUILDINGS****3 F**

IT 120 and 140 req. MAT 120 or 144 or 145 or conc reg or demonstrated equiv knowledge req. Formerly UTILITIES FOR LIGHT FRAME CONSTRUCTION. Materials charge optional.

Introduction to design and operation of heating, ventilating, air conditioning, solar, and plumbing systems, equipment, materials, methods, and codes.

230 METALS FABRICATION AND CASTING PROCESSES**3 F,S**

IT 130 req. Formerly GENERAL METALWORK. Materials charge optional.

Basic theory and practice in hot and cold metal-working processes including forming, casting, and joining.

233 MACHINE TOOL TECHNOLOGY**4 F,S**

MAT 120 or 144 or 145 or conc reg; IT 130 rec. Materials charge optional. Formerly MACHINE TOOL TECHNOLOGY I.

Basic machine tool theory and practice; saws, drilling machines, lathes, shapers, milling machines, surface grinders, metrology, heat treatment.

234 NUMERICAL CONTROL IN MANUFACTURING**3 F,S**

IT 130 or 131; ACS 155; IT 233 or demonstrated equiv competencies req. Materials charge optional. Compucard charge optional.

The study of numerical control languages and equipment.

240 AC/DC CIRCUIT ANALYSIS**4 F,S**

MAT 120 or 144 or 145 or conc reg. IT 140 req. Materials charge optional.

AC/DC electrical and magnetic circuits, emphasizing passive components both resistive and reactive.

242 LINEAR ELECTRONICS**4 F,S**

IT 240 or demonstrated equiv competencies req. Materials charge optional.

Operation, characteristics and applications of linear solid state devices, discrete and integrated.

244 DIGITAL ELECTRONICS**3 S**

IT 240 or demonstrated equiv competencies req. Materials charge optional.

Operation, characteristics, and applications of discrete and integrated solid state devices in selected digital circuits.

250 THE GRAPHIC ARTS PROCESSES**4 F,S**

MAT 120 or 144 or 145 or conc reg; IT 150 req, ART maj or demonstrated equiv competencies. Field trips. Materials charge optional. Compucard charge optional.

Theory and practice in basic relief, lithography, screen process, intaglio, photography and many support technologies.

251 GRAPHICS ARTS TECHNOLOGY**4 F,S**

IT 250 req or demonstrated equiv competencies. Field trips. Materials charge optional. Compucard charge optional.

Technological trends in copy preparation, continuous tone copy, process photography, negative assembly, image carriers, ink transfer and finishing operations.

253 PHOTOMECHANICAL PROCESSES**3 F**

IT 250 req or demonstrated equiv competencies. Materials charge optional. Compucard charge optional.

Design, layout, camera ready copy preparation, and process photography, including halftone, duotone, and special effects, for graphic reproduction.

254 CONTINUOUS TONE COPY**PREPARATION****3 S**

IT 250 or demonstrated equiv competencies req. Materials charge optional.

Preparation of continuous tone copy in black and white and color for graphic reproduction.

261 AUTOMOTIVE POWER PLANTS**4 F,S**

MAT 120 or 144 or 145 or conc reg; IT 141 req. Materials charge optional.

Theory and laboratory experiences in function, rebuild maintenance and adjustment of automotive type engines.

262 AUTOMOTIVE ELECTRICAL SYSTEMS**4 F,S**

MAT 120 or 144 or 145 or conc reg; IT 141 req. Materials charge optional.

Operating principles, applications, diagnosis, and repair of automotive electrical systems and components.

263 FLUID POWER MECHANICS**3 F,S**

MAT 120 or 144 or 145 or conc reg; IT 141 req. Materials charge optional.

Operating principles and applications of hydraulic and pneumatic components, power systems, and control systems.

264 AUTOMOTIVE CHASSIS SYSTEMS**3 F**

MAT 120 or 144 or 145 or conc reg; IT 141 req. Materials charge optional.

Theory, repair, alignment or adjustment of front and rear suspensions, manual transmissions, rear axles, steering mechanisms, and brakes.

265 AUTOMOTIVE DRIVE TRAINS**4**

MAT 120 or 144 or 145 or conc reg; IT 141 req. Materials charge optional.

Operating principles, adjustment and diagnosis of clutches, manual and automatic transmissions, and drive axles.

266 PHOTOVOLTAIC TECHNOLOGY**2 F**

IT 140 or PHY 105.

Theory, applications, system designs, system components, and laboratory practices of photovoltaic systems.

267 AUTOMOTIVE AIR CONDITIONING AND ACCESSORIES**4**

IT 141; MAT 120 or 144 and 145, or conc reg req. Materials charge optional.

Design, application, operating principles, testing, diagnosis, and adjustment of automotive air conditioning and accessories.

284 TECHNICAL COMPUTER APPLICATIONS**3 F,S**

IT 151; ACS 155, 164, or 168 or cons inst req. Materials charge optional. Compucard charge optional.

Principles and applications of digital computers in the solution of industrial production and control problems.

285 INDUSTRIAL PLASTICS**4 F,S**

MAT 120 or 144 or 145 or conc reg; IT 130 req. Materials charge optional.

Resins, processing, fabrication; injection molding, extrusion, rotational molding, foaming, thermoforming, identification and testing.

292 MATERIALS TECHNOLOGY**4 F,S**

IT 130 req. Materials charge optional.

Destructive and nondestructive testing procedures for determining mechanical, physical, and other properties of ceramics, metals, woods and composite materials, and polymers.

307 EMPLOYMENT ANALYSIS FOR INDIVIDUALS WITH DISABILITIES 3 F,S
Also offered as SED 380. Formerly EMPLOYMENT ANALYSIS FOR THE EXCEPTIONAL. Materials charge optional.

Diagnosis and instruction of exceptional children who are placed in occupational education. Synthesizing employment and education for exceptional children.

311 MANAGING INDUSTRIAL OPERATIONS 3 F,S
Completion of 75 hrs req. Formerly INDUSTRIAL OPERATIONS.

Principles, practices, and methods used to plan, organize, and manage a sequence of industrial operations used to produce a product.

312 FACILITIES PLANNING 2 F
MAT 120 or 144 or 145 req; jr standing req.

Industrial/manufacturing facilities planning including space requirements, machine arrangements, flow lines, and environmental features.

313 STATISTICAL QUALITY CONTROL 3 F,S
MQM 100 req; MAT 120 or 144 or 145 req; 8 hrs in an IT seq req.

Use of statistical methods involving control charts, paretos, histograms, scattergrams, flow charts, and problem-solving techniques to manage and improve quality.

315 COMPUTER-AIDED DESIGN AND MANUFACTURING 3 S
IT 216 or 284 or 331 req. Compucard charge optional.

Principles and management practices used in integrated design and manufacturing processes. Includes CAD, CAM, robotics, and other major CIM components.

319 COMPUTER GRAPHICS 3 F,S
IT 210, 216, or demonstrated equiv competencies and completion of 75 hrs req. Compucard charge optional.

Combination of graphic techniques and computer programming as means of industrial communication applied to solution and interpretation of technological problems.

322 BUILDING CODES AND INSPECTION 2 S
IT 120 or 211 req.

Analysis of model construction codes and their application and administration for minimum standards for public safety.

323 CONSTRUCTION COST ANALYSIS 2 S
IT 120 or 211 req. Materials charge optional. Compucard charge optional.

Computerized and manual estimating, cost analysis, and bidding procedures in the residential and commercial construction industries.

324 MASONRY MATERIALS AND CONSTRUCTION 2 F
IT 120 and 221 req. Materials charge optional.

Principles, practices, and materials used in masonry and concrete construction.

331 ADVANCED MACHINE TOOL TECHNOLOGY 4 F,S
IT 233 req. Materials charge optional. Compucard charge optional.

Theory and practice of production machine set-ups; numerical control programming and operation; and electrical discharge machining (EDM) technology.

334 AUTOMATION SYSTEMS IN MANUFACTURING 3 F,S
IT 234 or demonstrated equiv competencies req. Materials charge optional. Compucard charge optional.

Principles, techniques, and applications of numerical control programming and automation methods to materials handling, assembly, inspection/testing, and material processing.

345 INDUSTRIAL PROCESS CONTROL 3
IT 263, 240 and ACS 155 or demonstrated equiv competencies req. Materials charge optional.

Reprogrammable and pneumatic logic automated control systems for industrial production processes.

346 MICROPROCESSOR SYSTEMS 4 F,S
ACS 155.02 and IT 244 req. Materials charge optional. Compucard charge optional.

Theory and application of the internal workings of microprocessors, microcomputers, and special application microprocessors.

347 ROBOTICS AND AUTOMATED SYSTEMS 3
IT 140 and IT 240 and 244 or equiv competencies req.

Principles, techniques, and applications of robotics and automated systems. Students will implement a computer controlled system of their own design.

349 TECHNICAL WRITING II 3 F,S
ENG 249 or grad standing req. Also offered as ENG 349. Materials charge optional.

Instruction and practice in editing, proposals, and analytical writing; attention given to style manuals, research writing, and (as needed) publication.

351 IMAGE CARRIERS AND IMAGE TRANSFER 3 S
IT 250 or demonstrated equiv competencies and completion of 75 hrs req. Field trips. Materials charge optional.

Theory and laboratory practice in negative assembly, and plate making, proofing and press systems.

352 CHARACTER GENERATION 3 F
IT 250 or demonstrated equiv competencies and completion of 75 hrs req. Materials charge optional. Compucard charge optional.

Theory, laboratory practice on computerized photographic, digital, and laser imagesetting equipment. Input and editing concepts are included.

353 COLOR SEPARATION 3 S
IT 253 or demonstrated equiv competencies and completion of 75 hrs req. Field trips. Materials charge optional.

Theory of color; modern color separation methods, including laser scanning; fake color; transmission and reflection copy; color correction; additive and subtractive color.

354 GRAPHIC ARTS MANAGEMENT 3 F
IT 250 or demonstrated equiv competencies and completion of 75 hrs req. Field trips. Compucard charge optional.

Management of the graphic arts industrial organization including human resources, physical assets, and efficient production of graphic communications products.

361 MOTOR VEHICLE DIAGNOSIS 3 S
IT 262 req. Materials charge optional.

Motor vehicle systems diagnosis; emphasis on electrical and fuel and emission systems.

- 367 PASSIVE SOLAR TECHNOLOGY** 4 S
IT 140 or 141 or 211 or 221 or cons inst req. Materials charge optional.

Principles, theory, and laboratory practice in passive solar applications.

- 368 ENERGY MANAGEMENT** 3 S
IT 240 req; IT 263 rec.

Principles of efficient analysis, optimization, and control of energy usage with an emphasis on developing, implementing, and administering an industrial energy management program.

- 383 TELECOMMUNICATIONS TECHNOLOGY** 3 S
ACS 155.01 or 155.02 or cons inst req.

Interfacing computers locally and through telecommunications networks. Identification of existing standards and hardware, and evaluation of specific interacting needs.

- 384 PLASTICS MOLDING PROCESSES** 4 S
IT 285 req. Materials charge optional.

Advanced theory and practice related to plastics molding, process control, molds and dies, and auxiliary equipment.

- 385 REINFORCED PLASTICS** 4 F,S
IT 285 req. Materials charge optional.

Advanced theory, practical application of fiberglass, plastic resins, other materials in hand layup, spray up, filament winding and other common industrial techniques.

- 387 FORMING, EXPANDING AND FABRICATING PLASTICS** 4 F
IT 285 req. Materials charge optional.

Advanced study of solid and cellular plastics used for product development involving thermoforming, foam molding, assembling, machining, and decorating.

- 388 PLASTICS PRODUCT DESIGN** 4 S
8 hrs from IT 285, 384, 385, or 387. Materials charge optional.

Designing plastic tooling, fixtures, and industrial consumer products.

- 390 MANAGEMENT AND DEVELOPMENT OF GRAPHIC COMMUNICATIONS** 4 S
IT 311 and 9 hrs of advanced technical courses in 1 of the following specialties: Industrial Computer Systems, Design/Drafting, or Graphic Arts, or cons inst req. Field trips. Materials charge optional.

Graphic communications systems management using advanced principles and techniques in the generation, storage, transmission, and reproduction of graphic images.

- 391 DEVELOPMENT AND MANAGEMENT OF ENERGY AND POWER SYSTEMS** 4 S
IT 311 and 9 hrs of advanced technical courses in 1 of the following specialties: Automotive Tech, Energy Systems Tech, Electronics Tech, or Process Control Tech, or cons inst req. Compucard charge optional.

Implementation of new technology in the design of energy and power systems. Includes budget, procurement, and personnel.

- 392 INDUSTRIAL PRODUCTION** 4 S
IT 131 and 311 and 4 hrs of advanced technical courses in Wood, Metal, or Plastics Technology and sr standing or cons inst req. Materials charge optional.

Industrial Production systems including product, manufacturing, and plant engineering.

- 394 MANAGING ON-SITE CONSTRUCTION PRACTICES** 4 F
IT 120 and 121. Students are personally responsible for trans to construction site.

Practical experience in on-site construction with emphasis on management techniques such as material selection, scheduling, and cost control.

- 398 PROFESSIONAL PRACTICE: INDUSTRIAL TECHNOLOGY** 1-8 F,S
Jr/sr standing. Prior dept approval req. No more than 4 hrs may apply toward maj. May be repeated; max 16 hrs applicable toward graduation. 40 hrs practice per cr hr of internship; 120 hrs coop per cr hr.

Planned and supervised work-study experiences in local and state businesses, industries, and governmental agencies.

- 398.02 PROFESSIONAL PRACTICE: INTERNSHIP IN TECHNOLOGY OF INDUSTRY**

- 398.52 PROFESSIONAL PRACTICE: COOP IN TECHNOLOGY OF INDUSTRY**

MILITARY SCIENCE DEPARTMENT (MSC)

ROTC Building, 211 North University, (309) 438-5408

Chairperson: LTC Robert C Jackle.

Military Science (Army ROTC) is a program of instruction that provides college-trained officers for the US Army, the Army National Guard, and the US Army Reserve. Military Science courses enhance student education by providing unique leadership and management experiences which develop self-discipline, confidence, and oral communication skills.

This educational enhancement is continued through the Professional Military Education Program as advanced students are required to take one course in each of the following areas: military history, written communication skills, computer literacy, math reasoning, and human behavior. Participation in field trips may be required during each semester.

Program components provide instruction of a general nature concerning the Army and National Defense and can be taken without commitment or obligation to serve in the Armed Forces.

The Army has a substantial scholarship program. Awarded on a competitive basis are State scholarships which pay full tuition and selected fees and Federal scholarships which pay full tuition and fees, a book allowance, and a living allowance of up to \$1,000 per year. Non-scholarship cadets enrolled in the Advanced Course also receive a living allowance of up to \$1,000 per year. Students not desiring a commission in the U.S. Army, Army National Guard, or the U.S. Army-Reserve are eligible to enroll in Military Science courses but are not eligible for the Federal/State scholarships or living allowance. They are, however, eligible for the minor in Military Science.

The four-year Military Science Program is divided into two parts: the Basic Course and the Advanced Course.

The Basic Course is usually taken in sequence by students in their freshman and sophomore years. It may be compressed into two or three semesters by enrolling in more than one course during a given semester. Successful completion of the Basic Course enables a student to enroll in the Advanced Course which includes a paid six-week period of summer training (ROTC Advanced Camp).

Although students normally become eligible for the Advanced Course through completion of the Basic Course, other options exist. Students who qualify can choose to attend a six-week paid ROTC Camp Challenge held during the summer at Fort Knox, Kentucky. Advanced placement may be extended to eligible veterans and to selected members of the National Guard and Army Reserve. To qualify, students must have successfully completed 30 credit hours at the University level, meet Army physical standards, and have a cumulative minimum GPA of 2.0. In both the Basic and Advanced courses, uniforms, Military Science textbooks, and materials are furnished without cost to the student.

MINOR IN MILITARY SCIENCE

- 34 hours required.
- Admission into the Military Science Minor Program is by permission of the chairperson of the Military Science Department following a special interview concerning eligibility and entry requirements. Interested students should make arrangements for an interview with the chairperson of the Military Science Department as early as possible but not later than the second semester of their sophomore year.
- Prerequisites (4 hours): MSC 111 and 112; or satisfactory completion of Army Reserve Officers' Training Corps (ROTC) Basic Camp (may be taken for credit as MSC 203); or proficiency as approved by the chairperson of the Military Science Department.
- Required courses (11 hrs): MSC 220, 221, 240, 241.
- History (3 hrs): HIS 278 or 279.
- Written Communications (3 hrs): ENG 145, 247 or 249.
- Human Behavior (3 hrs): PSY 111, 112, 131; SOC 106 or 131.
- Computer Literacy (3 hrs): ACS 140, 150, or 155.
- Math Reasoning (3 hrs): MAT 105, 120, or 121.
- Physical Education (4 hrs): HPR 146 (Repeated 4 times concurrent with MSC 220, 221, 240 and 241).

Military Science Courses

101 INTRODUCTION TO MILITARY SCIENCE 1 F

Introduction to organization, mission, functions, and customs of the Army; includes military life and customs and an introduction to United States defense establishment.

102 INTRODUCTION TO LEADERSHIP AND TACTICS 1 S

An introduction to Military Leadership and the fundamentals of tactics as employed by squad and platoon-sized units.

111 LAND NAVIGATION 2 S

Map reading fundamentals; application of land navigation principles as applied to military maps using the lensatic compass and terrain association.

112 INTRODUCTION TO MILITARY LEADERSHIP 2 F

Introduction to principles, responsibilities, techniques of military leadership and problems of leadership in the military environment.

200 LEADERSHIP LABORATORY 0 F,S

Reg in AROTC Advanced Course req.

Provides development by practical application of the student's leadership characteristics through progressive training in leadership, drill, and command.

203 ROTC BASIC CAMP 5 Summer

Cons inst req. CR/NC only. Not open to students who have completed MSC 101, 102, 111, and 112.

Provides instruction and practical application on basic military concepts of map reading, tactics, principles of instruction, and drill and ceremony. Training is presented off campus.

220 ADVANCED LEADERSHIP AND TACTICS I 3 F

Formerly DEVELOPMENT OF AMERICAN MILITARY LEADERSHIP.

Provides general knowledge and understanding of advanced leadership principles, small unit offensive operations, land navigation, and the operating systems.

221 ADVANCED LEADERSHIP AND TACTICS II 3 S

Reg in AROTC and MSS 220 or cons inst req. Formerly MILITARY OPERATIONS.

Provides knowledge and understanding of advanced combat leadership techniques, small unit defensive operations, patrolling, and land navigation.

240 MILITARY LAW AND ADMINISTRATIVE MANAGEMENT 3 F

Reg in AROTC Advanced Course or cons inst req.

Fundamental concepts of military justice; principles of court-martial and non-judicial punishment; staff principles and procedures in the Army organizational structure.

241 MILITARY PROFESSIONALISM AND RESPONSIBILITY 2 S

Reg in AROTC Advanced Course or cons inst req.

Introduction to professionalism and military professional responsibility.

242 ROTC ADVANCED CAMP 6 Summer

Reg in AROTC Advance Course req. CR/NC only.

Instruction and practical application in field training, demonstration of leadership capabilities, and leadership opportunities of problem analysis, decision making, and troop-leading. Training is presented off campus.

COLLEGE OF ARTS AND SCIENCES

Dean: Paul T. Schollaert, 141 Stevenson Hall.

The College of Arts and Sciences provides the opportunity for a liberal education in addition to the attainment of career-oriented skills. The College includes the Departments of Biological Sciences, Chemistry, Communication, Economics, English, Foreign Languages, Geography-Geology, History, Mathematics, Philosophy, Physics, Political Science, Psychology, Social Work, Sociology-Anthropology, and Speech Pathology-Audiology. The College offers the core of the University Studies program required of all undergraduates, a wide range of academic major and minor programs for meeting baccalaureate degree requirements, master's programs in most disciplines and doctoral programs in Biological Sciences, English, History, Mathematics, and Psychology. Course offerings span the humanities, social and behavioral sciences, natural sciences, and mathematics.

ARTS AND SCIENCES PROGRAMS

General Studies Major: Arts and Sciences Sequence:

This program is one of the sequences included in the General Studies Major. See the General Studies Major for admission procedures. For further information, contact the Academic Advisement Center, Fell 340.

The Arts and Sciences Sequence is designed for students wishing to pursue a baccalaureate degree with broad specialization in the liberal arts and sciences. The student chooses the focus of the major by determining the two or more departments around which to build the program. Students who complete the Arts and Sciences Sequence will earn a bachelor of arts or bachelor of science degree and have their transcripts noted: "General Studies Major: Arts and Sciences Sequence."

General Studies Major: Arts and Sciences Sequence Requirements:

- 120-hour graduation requirement, including University Studies requirements, and 42 senior-college (200- or 300-level) hours.
- An approved plan of study with a minimum of 36 hours from 2 specified Arts and Sciences departments, including 12 senior college hours (200- or 300-level) from each of the 2 departments, a maximum of 25 hours from any 1 of the departments, and a total of 96 hours from Arts and Sciences departments including University Studies coursework.

Latin American Studies Program

No major offered. Further Information: Dean of the College of Arts and Sciences.

MINOR IN LATIN AMERICAN STUDIES

- 24 hours required for the Minor.
- Required courses: 2 semesters of college Spanish or its equivalent; IDS 110 (Introduction to Latin American Studies); a planned course of study approved by the Latin American Studies Advisor in which courses are elected in at least 3 fields other than Spanish. Course work may be selected from the following: AGR 100;

ECO 205, 210; FOR 218.15, 242.15, 331.15, 336.15; GEO 230; HIS 127, 263; POS 347; ANT 292; THE 375.

This program must be planned in consultation with the Latin American Studies advisor. With the approval of the advisor, courses other than those listed above may be counted toward the minor. No more than 2 courses in the student's major field of study, however, may be counted toward this Minor.

Social Sciences Programs

Degrees Offered: B.A., B.S. Further Information: Department of History.

The Social Sciences programs are housed in the Department of History in cooperation with the Departments of Economics; Geography-Geology; Political Science; and Sociology-Anthropology.

MAJOR IN SOCIAL SCIENCES

Admission to Social Sciences Major may be restricted by the lack of available Department resources in times of oversubscription.

- 60 hours in Social Sciences (courses to be taken from the 7 Social Science areas of American History, Anthropology, Economics, Geography, Political Science, Sociology, and World History).
- At least three 3-hour courses (including one or more at the 200-level or above) to be taken in 4 of these Social Sciences programs.
- 21 Social Science hours at the 200-level or above.
- At least one 3-hour course taken in each of the 7 Social Sciences.
- At least 1 methods course (ECO 131; GEO 308, GEO 310; HIS 296; MQM 100; POS 209; SOC 271).
- No more than 3 hours of independent study, or 6 hours of Professional Practice, to be counted toward major requirements.
- Social Science Seminar (offered in ANT, ECO, GEO, HIS, POS, and SOC) is recommended.

Social Science Education majors will need to be cognizant of teacher certification requirements which require an emphasis in history.

Teacher Certification Sequence:

- Required courses: HIS 290, 390 in addition to the requirements for the Social Sciences Major. Part of entitlement program leading to certification: secondary 6-12.
- 24 hours in Professional Education (including student teaching) required.
- University Studies course selections must meet state certification requirements.
- Special requirements for admission to the Teacher Education Program must be met prior to student teaching.

Students who wish to pursue these majors should consult the advisor to Social Sciences students in the Department of History.

Women's Studies

The Women's Studies Program is administered by the College of Arts and Sciences. No major is offered. For a description of the Minor in Women's Studies (see Women's Studies section of the Catalog). For further information contact the Director of Women's Studies.

BIOLOGICAL SCIENCES (BSC)

206 Felmley Hall, (309) 438-3669

Chairperson: Carleton Phillips II.

Tenured/Tenure-track Faculty:

Distinguished Professor: Brockman.

Professors: Anderson, Armstrong, Borst, Brown, Cain, Cheung, Chuang, Huizinga, Jensen, Katz, Kidder, Nadakavukaren, Phillips, Preston, Thompson, Weber, Wilkinson.

Associate Professors: Cralley, Juliano, Lucher, McCracken, Otsuka, Riddle, Sakaluk.

Assistant Professors: Capparella, Jayaswal, Whitman.

Other Faculty:

Research Faculty: Borowiz, Hecht, Miller.

Administrative/Professional: Schmidt.

Biological Sciences Programs

Degrees Offered: B.A., B.S.

MAJOR IN BIOLOGICAL SCIENCES

B.A. Requirements:

- 37 hours in Biological Sciences required.
- Required courses: BSC 196, 197, 201, 203, 219, and 304, with a minimum of 16 additional hours of which 8 hours must be laboratory courses. BSC 202, 307, and BSC courses below 195 may not be used in the Major. A laboratory course in Organic Chemistry (220 or 230 and 231) is also required. Students electing this program should also consult University requirements for the B.A. degree. Majors planning to attend professional or graduate school may also need to take a full year of both Organic Chemistry and Physics.

B.S. Requirements:

- 37 hours in Biological Sciences required.
- Required courses: BSC 196, 197, 201, 203, 219, and 304, with a minimum of 16 additional hours of which 8 hours must be laboratory courses. BSC 202, 307, and BSC courses below 195 may not be used in the major. A laboratory course in Organic Chemistry (220 or 230 and 231) and a laboratory course in general physics (105 or 108 or 110) are also required. Majors planning to attend professional or graduate school may need to take a full year of both Organic Chemistry and Physics.

Teacher Certification Sequence:

Students pursuing a Biological Sciences major may be certified to teach in the biological sciences (See option A below), or the biological and physical sciences (See option B below). Before being admitted to the University Teacher Education Program (see University-wide Teacher Education Program Requirements in Catalog), the Biological Sciences Major must meet departmental requirements for admission. These include a minimum major GPA of 2.5 and a positive recommendation from the Teacher Education Committee. Students should see the departmental Teacher Education advisor for information. The above requirements are part of the entitlement program leading to secondary 6-12 certification.

- A. **Biological Sciences Certification:** A student completing these requirements can meet the minimum qualifications to teach the following subjects as defined by the State Board of Education, Document 1, 7-3.18, 7-3.19, and 7-3.20: Biology, Zoology, Botany, and General Science.

- 37 hours in Biological Sciences and a laboratory course in Organic Chemistry (220 or 230 or 231) are required.
- BSC required courses: BSC 196, 197, 201, 203, 219, 304, and 307 with a minimum of 4 additional hours of Botany with lab, and 4 hours of Zoology with lab. BSC 202 and BSC courses below 195 may not be used as elective in the Major.

- B. **Biological and Physical Sciences Certification:** A student completing these requirements can meet the minimum qualifications to teach the following subjects as defined by the State Board of Education, Document 1, 7-3.18, 7-3.19, and 7-3.20: Biology, Botany, Zoology, Chemistry, Physical Science, and General Science.

- 37 hours in Biological Sciences, 14 hours in Chemistry including a laboratory course in Organic Chemistry, and 10 hours of General Physics are required.
- Required courses: BSC 196, 197, 201, 203, 219, 304, and 307 with a minimum of 4 additional hours of Botany with lab, and 4 hours of Zoology with lab. BSC 202 and BSC courses below 195 may not be used as electives in the Major.

MINOR IN BIOLOGICAL SCIENCES

Biological Sciences Sequence: 24 hours in Biological Sciences required. Required courses: BSC 196 and 197. At least 12 of the elective hours must be 200- or 300-level courses. BSC 100 and 307 may not be used as electives in the Minor.

Human Biology Sequence: 24 hours in Biological Sciences required. Required courses: BSC 181, 182, 183; 16 hours of electives selected from among BSC 145, 160, 170, 185, 199, 202, 216, 241, 253, 260, 283, 298.01, 361, 380, 381, 382, 383, 386, 387, 398, or other courses approved by the Biology Department; and at least 8 hours of 200- or 300-level courses.

MINOR IN BIOLOGICAL SCIENCES

For Teacher Education:

- 24 hours in Biological Sciences required including at least 8 hours of Botany with lab and 8 hours of Zoology with lab.
- Required courses: BSC 196, 197 and 307 (2 or 3 hrs, depending on major), with a minimum of 4 additional hours of Botany with lab, and 4 hours of Zoology with lab. BSC 100 may not be used as elective in Minor. At least 8 hours must be 200- or 300-level courses.

HONORS IN BIOLOGICAL SCIENCES

Students majoring in Biological Sciences may be admitted to the Departmental Honors Program if they have: 1) completed at least 30 hours of college-level courses, including at least 2 in Biological Sciences, 2) a minimum of semesters remaining before graduation, 3) a cumulative GPA of 3.3, 4) submitted to the Department chairperson 2 letters of recommendation from faculty members, and 5) received admission approval from the Departmental Honors Committee.

In order to graduate with honors in Biological Sciences, a student must complete: 1) all regular requirements for the Biological Sciences major; 2) 1 year of a foreign language; 3) Mathematics through one semester of calculus; 4) 12 hours of Biological Sciences on a tutorial basis (i.e., in-course honors) with a grade of A or B in each; 5) 3 hours of BSC 299; and 6) have at the time of graduation a cumulative GPA of at least 3.3 and at least 3.5 in Biological Sciences courses.

Biological Sciences Courses

100 INTRODUCTION TO BIOLOGICAL SCIENCES

3 US-3 F,S

Not for cr maj/min. Lecture and lab. Materials charge optional.

Biological principles in relationship to humans.

145 HUMAN BIOLOGY

3 US-7 F,S

Not for cr maj.

Practical human physiology and the nature of disease; emphasis on health problems related to nutrition, cardiovascular, and respiratory diseases, drug use, sex, and reproduction.

160 INTRODUCTORY MICROBIOLOGY

4 US-3 F,S

Not for cr maj if had BSC 260. Lecture and lab. Materials charge optional.

Introduction to microorganisms, their application and relationship to the human environment.

170 GENETICS AND SOCIETY

3 US-3 F,S

Not for cr maj.

Introduction to genetics and human heredity with an emphasis on the impact of recent advances in genetics upon society.

181 HUMAN PHYSIOLOGY AND ANATOMY I

4 US-3 F,S

Not for cr maj. Lecture and lab. Materials charge optional.

Fundamentals of anatomy and physiology for students in Special Education, Health Education, Nursing, and Psychology.

182 HUMAN PHYSIOLOGY AND ANATOMY II

3 US-3 F,S

BSC 181 req. Not for cr maj. Lecture only.

183 HUMAN PHYSIOLOGY AND ANATOMY II LABORATORY

1 F,S

BSC 181 req. Not for cr maj. No cr granted in BSC 183 until cr earned in BSC 182. Materials charge optional.

Laboratory exercises in anatomy and physiology to accompany topics in BSC 182 lecture.

185 INTRODUCTION TO EVOLUTION

3 US-3 S

Not for cr maj. Lecture.

Comprehensive survey of the processes of biological evolution, major trends in the plant and animal kingdoms, and the historical development of evolutionary theory and its impact on human society.

196 BIOLOGICAL DIVERSITY

4 US-3 F

Lecture and lab. Materials charge optional.

Introduction to structure and function of the major groups of microorganisms, plants, and animals, emphasizing evolutionary relationships among the major groups.

197 MOLECULAR AND CELLULAR BASIS OF LIFE

4 US-3 S

Lecture and lab. Materials charge optional.

Introduction to molecules, processes, and cellular organization of living organisms.

199 ANIMAL BEHAVIOR

3 US-3 S

An introduction to ethology—the biology of behavior. Behavior studies as performed in the natural habitat. Invertebrates and vertebrates, including humans, will be considered.

201 EVOLUTIONARY ECOLOGY

4 F,S

BSC 196 and 197 req. Lecture, lab and field trips. Materials charge optional. Formerly GENERAL ECOLOGY.

Relationships among living organisms and their environment at ecosystem, community, population, and individual levels.

202 HUMAN ECOLOGY

3 US-7 S

Not for cr maj.

General principles and applications of ecology with emphasis on man's place in the ecosystem and how environmental problems are related to fundamental ecological principles.

203 CELL BIOLOGY

4 S

CHE 220, or 230 and 231; BSC 197 req. Lecture and lab. Materials charge optional.

Structure and function of cells with emphasis on developmental biology including cell division, growth, differentiation, integration, and immunity.

211 ECONOMIC BOTANY

4 F

BSC 196 or AGR 150 req. Lecture and lab.

Diversity, origins, and history of plant uses, concentrating on economically important plants of the world.

216 GENERAL PHYSIOLOGY

4

Org Chem and BSC 196 or 197 req. Lecture and lab.

Chemical and physical aspects of life processes.

219 GENETICS

4 F,S

BSC 196 and 197 req. Lecture and lab. Materials charge optional.

Data, concepts, and logic of genetics from Mendel to the present.

221 PLANT STRUCTURE AND FUNCTION

4 S

BSC 196 req. Lecture and lab.

Introduction to plant tissues and organs, and their relationship to plant processes.

222 COMPARATIVE PLANT MORPHOLOGY

4 S

BSC 196 req. Lecture and lab.

Morphology, phylogeny, and taxonomy of non-vascular and vascular plants.

223 ECOLOGY AND IDENTIFICATION OF PLANTS

4 F

BSC 196 req. Lecture and lab.

Ecology, phylogeny, and taxonomy of vascular plants.

253 DEVELOPMENTAL BIOLOGY

4 S

BSC 203, CHE 220, or 230 and 231 req. Lecture and lab.

Embryogenesis and the cellular/biochemical mechanisms that control development.

260 MICROBIOLOGY

4 F,S

Org Chem and BSC 196 or 197 req. Lecture and lab. Materials charge optional.

Uniqueness, diversity, ecology, molecular biology, and practical applications of microorganisms.

283 ANIMAL PHYSIOLOGY

4 F

BSC 197 req. Lecture and lab. Materials charge optional.

The physical and chemical basis of system physiology with reference to invertebrates and vertebrates.

292 INVERTEBRATE ZOOLOGY

4 S

BSC 196 req. Lecture and lab.

Phylogeny, comparative functional anatomy, embryology, ecology, and natural history of the invertebrates.

295 COMPARATIVE VERTEBRATE ANATOMY 4 S*Lecture, lab and field trip.*

Evolution and comparative anatomy of vertebrates.

298.01 PROFESSIONAL PRACTICE: CAREERS FOR HEALTH PREPROFESSIONALS 1 F*Max 4 hrs from BSC 298.01, 299, 305, and 398 may count toward maj req. Cons pre-medical advisor req. CR/NC only.*

Information and experience on careers in medicine, dentistry, osteopathy, podiatry, optometry, pharmacy, and veterinary medicine. Classroom and off-campus experience.

300 READINGS IN BIOLOGICAL SCIENCES 1 F,S

Reading and discussion of classical and modern biological literature.

301 ENTOMOLOGY 4 F*BSC 196 and 197 req. Lecture, lab and field trips. Materials charge optional.*

Biology and taxonomy of insects.

304 SENIOR SEMINAR IN BIOLOGY 1 F,S*Formerly SEMINAR IN BIOLOGY*

Oral and written reports on current topics in biology.

305 SPECIAL PROBLEMS IN BIOLOGY 1-3 F,S*Independent research in Biology. Projects must be approved by the supervising faculty member and dept chair prior to reg. May be repeated; max of 4 hrs from BSC 298.01, 299, 305 or 398 may be counted toward maj req.***307 METHODS IN THE TEACHING OF BIOLOGY 2-3 F,S***C&I 216 or equiv or conc reg. Incl Clin Exp. BSC Ed maj must register for 3 hrs; BSC Ed Minor, 2 or 3 hrs, depending upon maj. Adm to Teacher Ed req.*

Strategies, curricula, and materials applicable to teaching secondary school science including 35 hrs clinical experiences.

308 FIELD BIOLOGY 3 Summer*BSC 196 and 197, and 201 or equiv req. Lecture, lab and field trips.*

Ecological communities of Central Illinois. Classification and identification of plants and/or animals.

318 HISTOLOGICAL TECHNIQUES FOR ZOOLOGISTS AND BOTANISTS 2 F,S*Lecture and lab. Materials charge optional.*

Preparation of microscope slides, special techniques for whole mounts, plastic embedding, plastic injections, and nerve preparations.

320 PLANT PATHOLOGY 4 F*BSC 196 req. Lecture and lab.*

Morphology, life histories, host-parasite relationships and control measures for fungal, bacterial, and viral pathogens.

321 MOLECULAR AND DEVELOPMENTAL GENETICS 4*BSC 219 and 260 or cons inst req. Lecture and lab.*

Organization of the genome; structure of chromatin and chromosomes; genetic regulation of development; molecular bases of DNA functions.

326 PLANT PHYSIOLOGY 4 S*BSC 197 req. Lecture and lab. Materials charge optional.*

Plant structure and function: photosynthesis, translocation, growth and development. Laboratory emphasis on independent experimentation.

329 HUMAN GENETICS 3 S*BSC 219. Lecture.*

Detection, expression, transmission, and molecular manipulation of human traits; emphasis on medical genetics.

334 INTRODUCTORY MYCOLOGY 4 S*BSC 196 req. Lecture and lab.*

Morphology, taxonomy, and evolution of the fungi.

350 MOLECULAR BIOLOGY 3 S*BSC 219 and 260, CHE 220, or 230 and 231 req. BSC 203, CHE 242 or 342 rec. Lecture.*

DNA structure and replication, the Genetic Code, transcription, translation, genetic regulation, RNA splicing, and transposons.

352 BIOTECHNOLOGY LABORATORY: MOLECULAR RECOGNITION 5 F*CHE 220 or 230, 231, 232; BSC 203, 219 and 260 req. CHE 242 or 342 rec. Lecture and lab.*

Biochemical, immunological and molecular analyses of the recognition processes of biological systems; applications of sensitive and selective techniques of molecular and cellular biology.

361 MICROBIAL PATHOGENS 4*BSC 260 req. Lecture and lab. Materials charge optional.*

Pathogenesis, identification, cultivation, and classification of bacteria, viruses, fungi, and animal parasites associated with diseases of man.

367 IMMUNOLOGY 4*BSC 260, or cons inst req. Offered every third semester. Lecture and lab. Materials charge optional.*

Molecular, cellular, transplantation and tumor immunology; antimicrobial immunity; immunochemistry.

368 VIROLOGY 4*BSC 219 and 260 req. Lecture and lab. Materials charge optional.*

Bacterial, avian, insect, plant, and mammalian viruses and their involvement in disease and cancer. Viral diagnostics.

380 HISTOLOGY 4 S*Lecture and lab.*

Microscopic anatomy of cells, tissues, and organs of vertebrates.

381 ANATOMY OF PHYSICAL DISABILITIES 4 S*BSC 182 or 196 or HPR 182 req. Not for cr if had BSC 386 or 387. Lecture and lab. Materials charge optional.*

Musculo-skeletal and nervous systems emphasized.

382 THE EYE: A LABORATORY AND CLINICAL STUDY 3 F*Lecture and lab.*

Anatomy and physiology of the eye. Clinical demonstrations on the detection and care of eye disorders.

383 PARASITOLOGY 4 F*BSC 196 req. Lecture and lab. Materials charge optional.*

Host-parasite relationships, life histories, and morphology of arthropod, helminth, and protozoan parasites of animals.

386 GROSS ANATOMY 4 F*BSC 182 or 196 or HPR 182 req. Not for cr if had BSC 381. Lecture and lab. Materials charge optional.*

Human body exclusive of head and neck.

- 387 GROSS ANATOMY** 4 S
BSC 182 or HPR 182 req. Not for cr if had BSC 381.
Lecture and lab. Materials charge optional.
 Human head, neck, and neuroanatomy.
- 390 EVOLUTION** 3 F
BSC 219 req. Lecture only.
 Origin of life, genetic code, mutation, selection, genetic drift, and speciation.
- 394 PROTOZOOLOGY** 4 S
BSC 196 req. Lecture and lab.
 Morphology, physiology, reproduction, taxonomy, and ecology of free living and parasitic protozoa.
- 395 BIOLOGY OF THE LOWER VERTEBRATES** 4 F
Lecture, lab and field trips.
 Fish, amphibians, and reptiles: behavior, ecology, evolution, systematics, zoogeography, reproduction, and adaptive significance of morphology.
- 396 BIOLOGY OF THE HIGHER VERTEBRATES** 4 S
BSC 196 req. Lecture, lab and field trips.
 Birds and mammals: behavior, ecology, evolution, systematics, and adaptive significance of morphology.
- 398 PROFESSIONAL PRACTICE BIOLOGY** 1-6 F,S,Summer
Jr standing in BSC with 2.5 GPA in all natural sciences req. May be repeated; max 16 hrs Prof Pract; no more than 4 hrs from BSC 298.01, 299, 305 or 398 may be counted toward maj req. Cons dept Prof Pract advisor req. CR/NC only.
 Practical experience through employment in agencies such as biological research facilities, zoological or botanical gardens, game reserves, or environmental service. One credit per 50-60 hours work experience.

CHEMISTRY (CHE)

305 Felmley Hall, (309) 438-7661

Chairperson: Michael E. Kurz.

Tenured/Tenure-track Faculty:

Distinguished Professors: Stevenson, West.

Professors: Bunting, House, Ichniowski, Kurz, Lash, Reiter, Rothenberger, Wallace, Webb.

Associate Professors: Clark, Hansen, Jones, Morse.

Assistant Professors: Baur, DeLuca, Goldberg, Standard, Weldon, Welsh, Zeller.

Other Faculty:

Lecturer: Baru.

Chemistry Programs

Degrees Offered: B.S.

The Department of Chemistry is on the approved list of the American Chemical Society.

MAJOR IN CHEMISTRY

- 37 hours required in Chemistry, including at least 27 hours in courses numbered 200 or higher.
- Required courses: CHE 140 and 141 (or 150), 230, 231, 232, 233, 300, 315, 350, 360, 361, 362, 363.
- 1 year of Physics, preferably PHY 110 and 111, and 1 year of calculus (through MAT 146) must be completed prior to enrolling in CHE 360.

- Chemistry electives: Selected from approved courses numbered 200 or higher. For the American Chemical Society certified degree the elective requirement is 5 hours in Chemistry courses numbered 290 or higher. These courses must include 2 hours in *laboratory* coursework (CHE 290, 301, 323, 343, 398). The following general electives are highly recommended: 1 year of a foreign language, a course in computer programming, a course in technical writing and courses in Biological Sciences.

NOTE: Students interested in careers in biochemistry, molecular biology, biotechnology or medicine may elect to follow the emphasis in Biochemistry/Molecular Biology advising plan.

Teacher Certification Sequence:

- 37 hours required in Chemistry, including at least 27 hours in courses numbered 200 or higher. CHE 301 required in addition to the required courses for the B.S. Chemistry major except CHE 300. A Teacher Education student must complete the option described as part of the entitlement program leading to certification: secondary 6-12.

MINOR IN CHEMISTRY

- 23 hours required in Chemistry, including at least 13 hours in courses numbered 200 or higher.
- Required courses: CHE 140 and 141 (or 150).

MINOR IN CHEMISTRY

For Teacher Education:

- 23 hours required in Chemistry, including at least 13 hours in courses numbered 200 or higher. CHE 301 (2 hrs) required in addition to the required courses for the Minor in Chemistry.

Basic Chemistry Courses for Majors: Chemistry majors normally are expected to take CHE 140 and 141. A student who demonstrates high achievement in Chemistry at the pre-college level may take CHE 150 in place of 140 and 141. CHE 110 and 114 may be taken in place of 140, but this is not recommended for science majors. This 6-hour sequence is designed primarily for students who elect to become Chemistry majors or minors after having completed CHE 110. Credit toward graduation is not given for both CHE 110 and 140, or both CHE 114 and 140.

Chemistry Courses

102 CHEMISTRY AND SOCIETY 3 US-3 F,S

Open only to students with no college cr in CHE. Formerly SCIENCE AND MODERN MAN.

Selected topics from chemistry and science in general, and illustration of relevance of chemistry and other sciences to today's world.

104 CHEMISTRY OF LIFE 3 US-3 F,S

CHE 102 or 1 year of high school CHE.

Application of chemical principles to the understanding of life processes. A second course designed for non-science majors.

106 CHEMISTRY OF PHOTOGRAPHY 2 S

Lecture and demonstrations. Not for cr CHE maj/min.

An introduction to photographic chemistry in black and white and selected color processes. Designed primarily for students with some experience in photographic processing.

110 FUNDAMENTALS OF CHEMISTRY 4 US-3 F,S

Not for cr if had CHE 140, 141, or 150.

One semester introductory survey of fundamental concepts, laws, and theories of chemical science and their application to common chemical systems.

112 FUNDAMENTAL CHEMISTRY LABORATORY 1 US-3 F,S

CHE 110 or conc reg. Materials charge optional.

Experience in manipulation of fundamental laboratory apparatus and means of carrying out chemical synthesis and measurements on chemical systems.

114 FUNDAMENTALS OF CHEMISTRY (SUPPLEMENTARY) 2 F,S

CHE 110 req. Not for cr if had CHE 140.

Designed to bring the background of the student up through the level of CHE 140.

140 GENERAL CHEMISTRY I 5 US-3 F,S

First half of a 2-sem seq. Designed primarily for students with high school cr in CHE. Algebra is req. Not for cr if had CHE 110 or 114.

Fundamental principles of stoichiometry, periodicity, atomic structure, and thermochemistry with applications to gases, liquids, solids, and solutions.

141 GENERAL CHEMISTRY II 5 US-3 F,S

CHE 114 or 140 req. Lecture and lab. Materials charge optional.

Continuation of CHE 140. Introduction to equilibrium, electrochemistry, acid-base theory, coordination compounds, inorganic and organic chemistry.

150 GENERAL CHEMISTRY 6 F

Lecture and lab. Satisfactory completion of 150 replaces the 140-141 req. Admission is by invitation based on the results of placement tests and other evaluation techniques. Materials charge optional.

Accelerated study of the fundamentals of chemistry, designed for the student who demonstrates exceptional ability at the pre-college level.

198.50 PROFESSIONAL PRACTICE: CHEMISTRY 2-8 F,S,Summer

CHE 141 or equiv req. Fr or soph standing in CHE. Min 3.0 GPA req. No cr maj/min. May be repeated; max 8 hrs; no more than 4 hrs/sem counted toward graduation req. CR/NC only. May be 1 or 2 periods of 1 term each.

Practical experience by employment in an industrial or governmental laboratory.

215 FUNDAMENTALS OF ANALYTICAL CHEMISTRY 3 S

CHE 141 or 150 req. For non-maj and rec for ENH, Med Tech, IT, AGR, GEO, HEC, and other science maj. Lecture and lab. Materials charge optional.

Theory and practice of selected modern analytical methods such as volumetric, potentiometric, optical, and chromatographic analysis.

220 ELEMENTARY ORGANIC CHEMISTRY 5 F,S

CHE 112 or 141 req. Not for cr if had CHE 230. Lecture and lab. Materials charge optional.

One-semester survey of organic chemistry. For non-majors and rec for AGR, HEC, Med Tech, and Nursing majors. Fundamental principles of structure and mechanisms of organic reactions.

230 ORGANIC CHEMISTRY I 3 F,S

First half of a 2-sem seq. CHE 141 or 150 and CHE 231 req. No cr will be granted in CHE 230 until cr is earned in CHE 231. Not for cr if had CHE 220.

Introduction to chemistry of aliphatic and aromatic organic compounds.

231 ORGANIC CHEMISTRY LABORATORY I 2 F,S

First half of a 2-sem seq. CHE 141 or 150 and CHE 230 req. No cr will be granted in CHE 231 until cr is earned in CHE 230. Materials charge optional.

Laboratory practice illustrating preparations and reactions typical of functional groups.

232 ORGANIC CHEMISTRY II 3 F,S

CHE 230 req.

Continuation of CHE 230, including synthetic and mechanistic features of organic reactions.

233 ORGANIC CHEMISTRY LABORATORY II 2 F,S

CHE 231 req; conc reg in CHE 232. Materials charge optional.

Laboratory practice in newer techniques and methods of organic chemistry.

242 BASIC BIOCHEMISTRY 3 F,S

1 sem of Org Chem. Not for cr if had CHE 342.

Introduction to the chemistry of carbohydrates, lipids, proteins, nucleic acids and enzymes. Brief treatment of vitamins and intermediary metabolism.

280 ENVIRONMENTAL CHEMISTRY 3 F

CHE 141 or 150 and any 200-level CHE course.

Aquatic, soil, and atmospheric chemistry and the attendant problems of water, soil, and air pollution. Causes of pollutants and methods of analyzing for them.

290 RESEARCH IN CHEMISTRY 1-4 F,S

19 hrs of CHE; only 3 hrs are applicable towards the maj. Dept form must be completed prior to reg. CR/NC only. May be repeated; max 6 hrs.

300 SENIOR SEMINAR 1 F,S

CHE 350 or conc reg.

Oral and written reports on current topics in CHE.

301 TEACHING OF CHEMISTRY 2-3 F

20 hrs of CHE. For teaching maj/min only. CHE Ed min should register for 2 hrs. C or better in C&I 216 or PSY 215 or conc reg req. Incl Clin Exp. Adm to Teacher Ed req.

Modern methods and curricula of high school chemistry.

302 INDUSTRIAL CHEMISTRY 3

CHE 360 req.

Scientific and applied aspects of community and industrial problems.

315 ANALYTICAL CHEMISTRY 3 F,S

CHE 362 or conc reg req. Lecture and lab. Materials charge optional.

Emphasis on modern instrumental methods of chemical analysis including electroanalytical, optical, and chromatographic methods.

323 QUALITATIVE ORGANIC ANALYSIS 3

CHE 233 req. Lecture and lab. Materials charge optional.

Identification of organic compounds using both chemical and spectrometric methods of analysis.

342 GENERAL BIOCHEMISTRY I 3 F
CHE 232 or 1 year of Org Chem req. Not for cr if had CHE 242.

Survey of the chemical and physical properties of amino acids, carbohydrates, lipids and nucleic acids, and structure and function of proteins, including enzyme kinetics.

343 BIOCHEMISTRY LABORATORY 2-3
CHE 342 or conc reg or CHE 242 req. Lecture and lab. Materials charge optional.

Application of biochemical principles and methods discussed in CHE 342.

344 GENERAL BIOCHEMISTRY II 3 S
CHE 342 req.

Survey of important aspects of intermediary metabolism, metabolic regulation, membrane transport and bioenergetics. Topics will include hormonal controls and immunochemical response.

350 INORGANIC CHEMISTRY 3 F,S
CHE 362 req.

Survey of modern inorganic chemistry including structure of inorganic compounds, coordination chemistry, non-aqueous solvents and selected inorganic reactions.

360 PHYSICAL CHEMISTRY I 3 F,S
CHE 141 or 150; PHY 109 or 111; 8 hrs of CHE or PHY courses numbered 200 or higher; MAT 146 req.

First of a series in theoretical chemistry dealing with descriptions of gases, liquids, solutions, thermochemistry, thermodynamics, chemical and phase equilibrium, kinetic theory, and chemical kinetics.

361 PHYSICAL CHEMISTRY LABORATORY I 1 F,S
CHE 360 or conc reg req. Materials charge optional.

Laboratory applications of principles treated in physical chemistry.

362 PHYSICAL CHEMISTRY II 3 F,S
CHE 360 req.

Continuation of CHE 360, including ionic equilibrium, conductance, electromotive force, spectroscopy, molecular theory, and miscellaneous applications of quantum theory.

363 PHYSICAL CHEMISTRY LABORATORY II 1 F,S
CHE 362 or conc reg req. One 3-hr lab period per week. Materials charge optional.

Laboratory studies of the derivations and applications of principles treated in physical chemistry.

380 TOPICS IN CONTEMPORARY CHEMISTRY 1-3 F,S
May be repeated.

New concepts and recent developments in the fields of organic, inorganic, analytical, physical, and biochemistry.

398 PROFESSIONAL PRACTICE: CHEMISTRY 1-16 F,S,Summer
CHE 232 and 233 or equiv req. Jr/sr standing in CHE. 2.5 GPA req; no cr maj/min. May be repeated; max 16 hrs; no more than 4 hrs/sem may be used to meet graduation req. Course offered as CR/NC. May be 2 to 5 periods of 1 term each.

Practical experience by employment in an industrial or governmental laboratory.

398.01 PROFESSIONAL PRACTICE: INTERNSHIP IN CHEMISTRY

398.50 PROFESSIONAL PRACTICE: COOP IN CHEMISTRY

COMMUNICATION (COM)

434 Fell Hall, (309) 438-3671

Chairperson: Catherine Konsky.

Tenured/Tenure-track Faculty:

Professors: Comadena, Cragan, Cupach, Metts, Semlak, Wright.

Associate Professors: Boaz, Chandler, Cutbirth, Haefner, Kapoor, Konsky, Wisely.

Assistant Professors: Allen, Coombs, Haugland, Hoffner, Holladay, Kang, Moffitt, Shelly, Williams, Wilson, Wolfe.

Other Faculty:

Faculty Fellows: Professor: Tuttle.

Lecturers: Blassage, Bradford, Cluskey, Cushman, Kirch, Lamonica, Lewis, Lingel, Payne, Shaffer, Tannura, Zoidler.

Administrative/Professional: Fisk, Groves, Jennings, Jones, Lesser.

Instructional Media Programs

MINOR IN INSTRUCTIONAL MEDIA

- 24 hours required.
- Required courses: COM 240, 241, 365, 366; 12 hours selected from ART 101, 103, 104, 109, 226; COM 160, 162, 163, 362; IT 210, 250, 251, 253.

Mass Communication Programs

Degrees Offered: B.A., B.S.

MAJOR IN MASS COMMUNICATION

- 36 hours required.

Broadcasting Sequence:

- Required courses: (21 hrs): COM 160, 162, 163, 260, 264, 360, 361. Electives (15 hrs) selected from: COM 110, 166, 167, 218, 263, 265, 266, 267, 268, 269, 270, 287, 296, 297, 362, 363, 364, 367, 369, 385, 398.

Journalism Sequence:

- Required courses: (27 hrs): COM 160, 165, 166, 260, 265, 269, 360, 361, 385. Electives (9 hrs) selected from: COM 110, 162, 163, 167, 218, 263, 264, 266, 267, 268, 270, 287, 296, 297, 362, 363, 364, 367, 369, 398.

NOTE: Mass Communication majors must complete a minor or second major in a department other than Communication.

MINOR IN MASS COMMUNICATION

- 18 hours required.
- Required course: COM 160.
- 15 hours of electives, selected in consultation with an academic advisor, from: COM 110, 162, 163, 165, 166, 167, 218, 260, 263, 264, 265, 266, 267, 268, 269, 270, 287, 296, 297, 360, 361, 362, 363, 364, 367, 369, 385, 398.

MINOR IN JOURNALISM

For Teacher Education:

- 24 hours required.
- Required courses: COM 160, 165, 166, 265, 266, 269, 385.
- Electives: COM 260, 268; IT 250.

Speech Communication Programs

Degrees Offered: B.A., B.S.

MAJOR IN SPEECH COMMUNICATION

- 36 hours required.
- Required courses: COM 110, 297.
- A minimum of 9 hours must be at the 300-level (excluding 398).
- 30 hours of electives selected from the following guidelines: A minimum of 6 hours selected from Interpersonal and Group Variables courses (COM 123, 223, 225, 227, 228, 323, 325, 329, 331, 370, 372); minimum of 6 hours from Rhetorical and Social Communication Variables courses (COM 125, 201, 202, 226, 302, 303, 304, 321, 324, 371); Electives available from Educational Variables courses include COM 198.02, 281, 330, 381. Students may include a maximum of 6 total hours of credit from Professional Practice (COM 398) and Independent Research toward completion of the Major.

NOTE: Speech Communication majors must complete a minor or second major in a department other than Communication.

Teacher Certification Sequence: (Admission to Teacher Education programs requires a 2.5 GPA.)

- 40 hours required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses (28 hrs): COM 110, 123, 125, 198.02, 202, 223, 281, 297, 324, 381.
- Elective courses (12 hrs) chosen from 2 of the following groups:
 - Group A (Small Group/Interpersonal), 6 hours from COM 225, 323, 325, 329, 331, 370, 372.
 - Group B (Social Communication), 6 hours from COM 201, 303, 304, 371.
 - Group C (Rhetorical Criticism), 6 hours from COM 226, 302, 321.
 - Group D (Education), 6 hours from COM 296, 330, 392, 398.
 - Group E, 6 hours from COM 160, 218, 360; THE 101, 341 (not for credit THE maj/min); PAS 211.
- Clinical experiences are included in COM 198.02, 202, 223, 281, 398. Additional opportunities are available through other departmental programs.
- Students enrolled in this program are required by the State to complete the requirements for a second teaching field. Students are recommended to consult an advisor early in their program to determine the requirements for various teaching fields. Students are also advised that if they have a minor other than English, they must have 6 hours in rhetoric and composition to meet state teaching standards.

MINOR IN SPEECH COMMUNICATION

- 21 hours required.
- Required course: COM 110.
- A minimum of 6 hours must be at the 300-level (excluding 398).
- 18 hours of electives selected from: COM 123, 125, 198.02, 201, 202, 218, 223, 225, 226, 227, 228, 297, 302, 303, 304, 321, 323, 324, 325, 329, 330, 331, 370, 371, 372.

MINOR IN SPEECH COMMUNICATION

For Teacher Education: (Admission to Teacher Education programs requires a 2.5 GPA.)

- 25 hours required.
- Required courses (22 hrs): COM 110, 123, 125, 198.02, 223, 281, 297, 324.
- Electives (3 hrs) selected from: COM 160, 201, 202, 218, 225, 226, 296, 302, 303, 304, 321, 323, 325, 329, 330, 331, 360, 370, 372; THE 101, 341; PAS 211.
- Students minoring in Speech Communication or Journalism for Teacher Education are advised that if they have a major other than English, they must have 6 hours in rhetoric and composition to meet state teaching standards.

Public Relations Program

Degrees Offered: B.A., B.S.

MAJOR IN PUBLIC RELATIONS

- 36 hours required.
- Required courses: COM 110, 160, 165, 178, 240, 268, 297, 321, 329, 378.
- 6 hours of electives selected from: COM 202, 218, 223, 228, 241, 265, 269, 303, 324, 355, 360, 365, 367, 371, 372, 385, 398.01, 398.02.
- A maximum of 6 hours of COM 398 may be counted toward the major.
- A maximum of 9 hours can be counted concurrently toward the Public Relations Major and other majors or minors within the Communication Department.
- Public Relations majors must complete a minor or a second major in a department other than Communication.

MINOR IN PUBLIC RELATIONS

- 24 hours required.
- Required courses: COM 165, 178, 268, 297, 378.
- A maximum of 9 hours counted toward the Public Relations minor may be applied toward a major or minor within the Department.
- 9 hours of COM electives selected from the following areas (* means highly recommended):
 - Graphics and Photography: 240*, 241*, 266, 365, and 366.
 - Organizational and Professional Communication: 202*, 227 (not recommended for declared Speech Communication majors), 228, 321*, 324*, 325, and 329*.
 - Mass Communication and Production: 163*, 166*, 218, 269, 362, 364*, 367, and 385*.

HONORS IN COMMUNICATION

The Department of Communication offers students an opportunity to demonstrate outstanding achievement in the study of communication by means of participation in the Departmental Honors Program. The Department also offers in-course honors work in all its courses at the discretion of the instructor for students enrolled in the Honors Program. Qualified students are encouraged to inquire about admission by contacting the chairperson of the Department.

Communication Courses

110 FUNDAMENTALS OF SPEECH COMMUNICATION 3 US-1 F,S

Theory and practice in developing skills in interpersonal, small group, and public communication. Preparation and presentation of speeches and participation in various communication activities.

123 INTERPERSONAL COMMUNICATION 3 US-1 F,S

An introduction to 2-person interaction in a variety of contexts.

125 ARGUMENTATION 3 US-1 F,S

Theory and practice of advocacy.

160 INTRODUCTION TO MASS COMMUNICATION 3 F,S

Mass media development and function in modern society: technological basis, economic and political foundations, social implications.

162 RADIO PRODUCTION 3 F,S

COM 160 req; 2 hrs lecture, 2 hrs lab. Materials charge optional.

Skills in utilizing equipment and procedures necessary to produce programs for radio. Script writing and directing included.

163 TELEVISION PRODUCTION 3 F,S

COM 160 req; 2 hrs lecture, 2 hrs lab. Materials charge optional.

Development of skills necessary in producing a television program. Function of television equipment and facilities. Evaluation of current production techniques. Producing and directing included.

165 REPORTING I 3 F,S

COM 160 and typing ability req. Materials charge optional.

Intensive training in the fundamentals of newsgathering and news writing.

166 COPY EDITING 3 F,S

COM 160 and 165 req. Materials charge optional.

Advanced training in rewriting and editing stories, headlines, writing, page layouts, and work on a campus publication.

167 BROADCAST NEWS I 3 F,S

COM 160 req. Materials charge optional.

Intensive training in the fundamentals of newsgathering and writing for the electronic media.

178 INTRODUCTION TO PUBLIC RELATIONS 3 F,S

COM 110 and ENG 101 rec.

Examines functions of public relations in society and surveys concepts, theories, ethics, and principles of effective public relations.

198.02 PROFESSIONAL PRACTICE: FORENSICS 1 F,S

May be repeated; Max 4 hrs. Incl Clin Exp.

Training and participation in speech activities.

201 COMMUNICATION AND SOCIAL ISSUES I 3 F,S

COM 110 rec.

Criticism of communicative discourse concerning reform movements, religious controversy, socialism, and other topics.

202 PERSUASIVE PUBLIC SPEAKING 3 F,S

COM 110 rec. Incl Clin Exp.

Provides the student an opportunity to develop skills in persuasive speaking in a variety of situations. Focuses on message content and organization appropriate for different situations.

218 COMMUNICATION TECHNOLOGIES AND IMPACTS 3 F,S

COM 160 or cons inst req.

The study of basic communication technologies (radio, television, satellite, computer, and electronic publishing) and their impact on the individual, group, organization, and society.

223 SMALL GROUP PROCESSES 3 US-1 F,S

Incl Clin Exp.

Theory and practice in reflective group discussion methods.

225 NONVERBAL COMMUNICATION 3 F,S

COM 110 rec.

Consideration of gesture, space, time, touch, objects, environment, voice, and eye behavior, and their relationship to communication and culture.

226 CLASSICAL RHETORIC 3 F

Classical rhetoricians and rhetorics, from the early Greek sophists to Saint Augustine, with special attention to impact on modern theory construction.

227 ORGANIZATIONAL AND PROFESSIONAL SPEAKING 3 F,S

Learning experiences in critical analysis of communication events, group problem solving, interviewing, technical speaking, and persuasive speaking.

228 INTRODUCTION TO INTERVIEW 3 F,S

Learning experiences in the selection, organization, oral presentation of ideas through the interview situation. The course stresses information processing in the interview setting.

240 AUDIOVISUAL MEDIA 3 F,S

Lecture and lab. Incl Clin Exp. Formerly UTILIZATION OF AUDIOVISUAL MATERIALS. Materials charge optional.

Introduction to the knowledge and skills needed to identify, design, produce, present and assess audiovisual media used in professional presentations.

241 BASIC PHOTOGRAPHY 3 F,S

Lecture and lab. Materials charge optional.

Fundamentals of photography with emphasis on design, production, presentation and text.

260 MASS COMMUNICATION: CULTURAL CRITICISM AND PROBLEMS 3 F,S

COM 160 req.

The mass media as a social system. Its impact on the cultural and economic life of the nation. The need for continuing decisions regarding public policy.

263 ADVANCED TELEVISION PRODUCTION 3 F,S

COM 160 and 163 req; 2 hrs lecture; 4 hrs lab.

Creating visual appeal through the television medium. Aesthetics in preparing television programs. Advanced producing/directing techniques in commercial broadcasting and television as an art form.

264 BROADCAST AND CABLE PROGRAMMING 3 F,S

COM 160 req.

Format and scheduling of programs as practiced by station, cable, and network management and viewed from the perspective of the advertiser, the manager, the consumer, and the government.

265 REPORTING II 3 F,S

COM 160 and 165 req.

Advanced training in newsgathering and news writing with practical application.

266 ADVANCED PHOTOGRAPHY 3 F,S

COM 241 or cons of inst req. Lecture and lab. Formerly PHOTO JOURNALISM. Materials charge optional.

A study of the concepts, processes and techniques used to produce or select photographs for use in other forms of media.

267 BROADCAST NEWS II 3 F,S*COM 160 and 167 req.*

Refinement of skills in broadcast news through laboratory work on daily television newscasts.

268 COMMUNITY RELATIONS 3 F,S*COM 165 req. Materials charge optional.*

Introduction to public relations functions, ethics, and training in production of news releases, newsletters and other publications for employees and communities.

269 SPECIALIZED PUBLICATIONS 3 F,S*COM 165 req. Materials charge optional.*

Training in editing, management, production, and finance of magazine, small newspapers, and annual reports. Instruction applicable to advisement of school publications.

270 DOCUMENTARY IN FILM AND BROADCASTING 3 S*Also offered as THE 270.*

Historical, philosophical, and theoretical consideration of documentary approach in films, television, and radio.

281 PRINCIPLES OF SPEECH EDUCATION 3 F*C or better in C&I 214, 215, 216, and PSY 215 (6 hrs) or conc reg req. Incl Clin Exp. Adm to Teacher Ed req.*

Methods and materials for teaching secondary speech communication. Planning and applying strategies, methods of measurement, classroom criticism of performance, selection and compilation of materials.

296 INDEPENDENT RESEARCH IN COMMUNICATION 3 F,S

Project approval by dept chair and inst prior to reg.

297 COMMUNICATION RESEARCH METHODS 3 F,S

Methods of scholarly research and critical evaluation of research.

302 COMMUNICATION CRITICISM 3 S

Developing critical skills for describing, interpreting, and evaluating communication from different theoretical perspectives.

303 CONTROVERSY AND CONTEMPORARY SOCIETY 3 S

Contemporary communication on current significant, controversial issues.

304 FREEDOM OF SPEECH AND PRESS 3 F,S

First Amendment rights. Emphasis on Supreme Court decisions relating to political dissent, obscenity, provocation and demonstration, and press freedom.

321 MESSAGE COMPOSITION 3 F,S*COM 110 rec.*

Application of communication theory and research to the composition of ethical, informative, and persuasive messages. Emphasis: organizational and language factors affecting mediated and non-mediated communication.

323 THEORY AND RESEARCH IN SMALL GROUP COMMUNICATION 3 F,S*COM 110 and 297 rec.*

Theoretical and experimental literature dealing with small group communication processes.

324 THEORY AND RESEARCH IN PERSUASION 3 F,S*COM 110 and 297 rec.*

Survey of contemporary theoretical and empirical literature dealing with the question of how an individual's attitudes, beliefs, and social behaviors are affected by communication.

325 THEORY AND RESEARCH IN INTERPERSONAL COMMUNICATION 3 S*COM 110 and 297 rec.*

Interpersonal communication and research and its implications for developing, maintaining, and terminating relationships. Focus on developing communicative competence.

329 ORGANIZATIONAL COMMUNICATION 3 F,S*COM 110 rec.*

Theoretical and experimental literature dealing with communication in an organizational setting.

330 DIRECTING THE FORENSIC PROGRAM 3*COM 110 rec.*

Theoretical and procedural aspects of organizing and maintaining a debate and individual speaking events program.

331 HUMAN COMMUNICATION AND THE AGING PROCESS 3 S*COM 110 or SOC 211 req.*

An examination of the particular communication needs of the aging and current research in the field.

355 INTERNATIONAL PUBLIC RELATIONS 3*COM 110 and 178 or cons inst req.*

Theory and research related to the practice of public relations across cultural and national boundaries. Application of theory to practical problems.

360 MASS COMMUNICATION: THEORY AND EFFECTS 3 F,S*COM 160 and 260 req.*

Critical examination of channel and receiver variables and their effects on the act of moving information through a given medium. Students participate in at least one research project of their design.

361 REGULATION OF THE COMMUNICATION INDUSTRY 3 F,S*COM 160 req.*

The legal background of mass media, specific laws affecting media operations, and industry efforts at self regulation.

362 NON-BROADCAST TELEVISION 3 F,S*Lecture and lab. Formerly INSTRUCTIONAL TELEVISION.*

Theory and practice of non-broadcast television with emphasis on equipment, production processes and effectiveness as a medium of communication for business, education and medicine.

363 PRIVACY AND INFORMATION PROCESSING 3 F

Concepts about individual privacy as related to the processing of information in a technological society. The study of institutional procedures with regard to the dissemination of sensitive information.

364 BROADCAST AND MANAGEMENT 3 S*COM 160 and 264 rec.*

Role and functions of broadcast media managers in society.

- 365 GRAPHIC COMMUNICATION I** 3 F,S
COM 240 req. Lecture and lab. Formerly *FUNDAMENTALS OF GRAPHIC PRODUCTION*. Materials charge optional.

History, theory, principles and practices of visual communication applied to graphic media with emphasis on fundamental skills and techniques.

- 366 GRAPHIC COMMUNICATION II** 3 S
COM 365 req. Lecture and lab. Formerly *GRAPHIC DESIGN AND PRODUCTION*. Materials charge optional.

Development of graphic media solutions to visual communication problems by integrating design skills, visual communication theory and knowledge of materials.

- 367 ETHICAL PROBLEMS IN MASS COMMUNICATION** 3 S
COM 160 or cons inst req; PHI 138 rec.

Analysis of ethical problems in news, entertainment, and persuasive media. Students develop analytical skills using cases and research projects.

- 369 INTERNATIONAL COMMUNICATION SYSTEMS** 3 S

Mass communication systems employed in foreign countries, their roles in national and international social and cultural development.

- 370 PSYCHOLOGY OF LANGUAGE** 3 S
COM 110 and 297 rec.

Theories and experimental research relating to the development and functions of language.

- 371 POLITICAL COMMUNICATION** 3 F
6 hrs COM or 6 hrs POS rec.

Basic theory and research relating to political campaign communication. Special attention is paid to the persuasive process of political campaigning focusing upon the role of the media, the candidate, image creation and other selected topics on political campaign communication.

- 372 INTERCULTURAL COMMUNICATION** 3 S
COM 110 and 297 rec.

Theories and research relating to face-to-face communication among people from different cultural, national, ethnic, or racial backgrounds.

- 378 APPLICATIONS IN PUBLIC RELATIONS** 3 F,S
COM 165, 178 and 268 req.

Principles and procedures for the professional practice of ethical public relations. Students prepare case study notebooks and publicity campaign packages.

- 381 PROBLEMS IN THE TEACHING OF COMMUNICATION** 3 S
C or better in C&I 214, 215, 216, and PSY 215 (6 hrs) or conc reg req.

Identification of common and unique problems in teaching communication concepts and skills. Approaches to resolving classroom problems.

- 385 EDITORIAL AND FEATURE WRITING** 3 F,S

Advanced training in writing feature articles and editorials for newspapers and magazines.

- 392 TOPICS IN COMMUNICATION INSTRUCTION** 1 Summer
Cons inst req. May be repeated if content different; max 3 hrs toward graduation.

Identification and development of new instructional content, approaches, strategies, and materials for selected communication concepts in educational and business classrooms. Topic .01 Teaching small group in communication classrooms; Topic .02 Teaching listening; Topic .03 Teaching non-verbal; Topic .04 Teaching interpersonal; Topic .05 Teaching public speaking; Topic .06 Teaching interviewing; Topic .07 Teaching mass communication in speech classroom. Consult the *Class Registration Directory* for topics to be offered during any given summer.

- 398 PROFESSIONAL PRACTICE: COMMUNICATION** 1-12 F,S
Complete dept application prior to reg. Max 6 hrs Prof Pract applicable to maj; 16 hrs applicable to graduation.

Arranged on-campus practical experience under the guidance of department academic supervisors.

- 398.01 PROFESSIONAL PRACTICE: ON-CAMPUS INTERNSHIP IN COMMUNICATION**

- 398.02 PROFESSIONAL PRACTICE: OFF-CAMPUS INTERNSHIP IN COMMUNICATION**

ECONOMICS (ECO)

425 Stevenson Hall, (309) 438-8625

Chairperson: David Ramsey.

Tenured/Tenure-track Faculty:

Distinguished Professor: Ram.

Professors: Chizmar, Cohn, Dillingham, Hiebert, Ostrosky, Owen, Singh.

Associate Professors: Morey, Nelson, Norton, Ramsey, Rich, Skaggs, Walbert.

Assistant Professors: Abdalla, Carlson, Cobb-Clark, Goel, Hasan, Mohammadi.

Other Faculty:

Instructional Faculty: Assistant Professors: Alrefai, Brun.

Lecturers: Smith, Wendling.

Economics Programs

Degrees Offered: B.A., B.S.

MAJOR IN ECONOMICS

— 30 hours in Economics required.

— Required courses: ECO 101, 102, 130, 131, 240, 241 and at least 3 hours of 300-level ECO courses. MAT 121 or 145 may be substituted for ECO 130. MQM 100 may be substituted for ECO 131; however, a minimum of 27 hours of coursework in Economics must be included in the Major.

Academic Policy: To graduate with an Economics major, students must earn a grade of "C" or better in each of the 6 required courses (including transfer credit) and complete at least 15 hours of senior college credit from the Department of Economics. (The Department chairperson may grant exemptions to students whose cumulative GPA is higher than 3.00.) In addition, the GPA in the Major must be 2.0 or higher.

Concentrations: Students majoring in Economics may elect (but are not required to elect) a Business and Government, Graduate School, or Social Sciences concentration. Although no specific courses are required for these concentrations, recommended courses for each are listed below:

1. **Business and Government:** Recommended courses above plus FIL 208 and 209; ACC 131 and 132, and ACC 160 or ACS 168.
2. **Graduate School:** Recommended courses above plus ACS 168; MAT 146, 147, 175, 350, 351; ECO 330, 331, and 333.
3. **Social Sciences:** Recommended courses above plus 12 hours in the Social Sciences (POS, PSY, SOC, ANT, SWK) with at least 1 course from each of these 4 departments.

MAJOR IN SOCIAL SCIENCES

The major in Social Science is administered in the Department of History in cooperation with the Departments of Economics; Geography; Political Science; and Sociology-Anthropology. For further information see Social Science Programs.

MINOR IN ECONOMICS

- 18 hours in Economics required.
- Required courses: ECO 101, 102.
- MAT 121 or 145 may be substituted for ECO 130. MQM 100 may be substituted for ECO 131. A minimum of 15 hours of coursework in Economics must be included in the Minor.

MINOR IN ECONOMICS

For Teacher Education:

- Program requirements are the same as those for the Minor in Economics.

Concentration in Quantitative Economics: This program is available to students under the General Studies Program. Courses in this program should include ECO 101, 102, 131, 240, 241, 330, 331, and 333; MAT 145, 146, 147, 175, 350, 351. Interested students should contact the Department chairperson in Economics.

HONORS IN ECONOMICS:

Candidates for honors must be ECO majors with a GPA of 3.30 overall and 3.75 or higher in economics courses. Students will be expected to complete 6 hours of coursework designated as honors coursework within the Department of Economics. These could be ECO 101 and 102 honors, or 2 in-course honors at the 200- or 300-level. The in-course honors requires individual negotiation with a faculty member teaching the course. In addition, the achievement of honors requires the writing of a substantial original paper. The student will enroll in Independent Honors Study and will receive help from an assigned faculty member. At the end of the semester the student will make an oral presentation of the paper to a meeting of Omicron Delta Epsilon, the Economics Honor Society. One copy of the original paper will be kept in the Department office and be available for inspection. Honors credit will show on the official transcript and will be stated on the diploma.

Economics Courses

101 PRINCIPLES OF MICROECONOMICS 3 US-5 F,S

Supply and demand, determination of market prices and quantities traded; behavior of consumers, and of producers under various product market structures; resource markets; distribution of income; international trade.

102 PRINCIPLES OF MACROECONOMICS 3 US-5 F,S

ECO 101 req. Formerly ECO 100.

Determination of gross national product (GNP), unemployment and inflation; the banking system; fiscal, monetary, and other macroeconomic policy; international finance and policy.

130 INTRODUCTION TO MATHEMATICAL ECONOMICS 3 F,S

ECO 101; MAT 120 req.

Systematic exposition of basic mathematical methods; algebra, calculus, and linear algebra and the relation of these techniques to various types of economic analyses.

131 BUSINESS AND ECONOMIC STATISTICS 4 F,S

ECO 101, MAT 120 or cons inst req. Not for cr if had MQM 100. Computcard charge optional.

Introduction to statistical concepts and methods most useful in business and economic analysis. Topics include descriptive statistics, techniques of hypothesis testing, interval estimation and linear regression.

202 CURRENT ECONOMIC ISSUES 2-3 Summer

ECO 101 and 102 req.

Application of introductory principles to world economic problems, such as energy, pollution, poverty and unemployment.

205 DEVELOPMENT ECONOMICS 3 F,S

ECO 101 and 102 req.

Principal determinants of economic development and problems associated with generating and accelerating economic growth in less developed areas.

210 COMPARATIVE ECONOMIC SYSTEMS 3 F,S

ECO 101 and 102 req.

Comparative analysis of several types of economic systems. Discussion of alternative models of economic decision-making. Case studies of such economies as China, Japan, South Africa, Sweden, the USSR, and Yugoslavia.

215 MONEY AND BANKING 3 F,S

ECO 101 and 102 req.

Development and growth of the monetary system. Emphasis on monetary theory and applied policy issues.

225 LABOR ECONOMICS AND LABOR PROBLEMS 3 F,S

ECO 101 and 102 req.

Economic aspects of labor and trade unionism. Emphasis on wage determination, bargaining, manpower and unions.

231 FORECASTING ECONOMIC ACTIVITY 3 S

ECO 101, 102, and 131 or MQM 100 req.

Application of statistical techniques to problems of economic forecasting. Topics include multiple regression analysis, moving averages, exponential smoothing, adaptive filtering, classical decomposition, and time series analysis. Practical application is emphasized with the use of computer statistical packages.

239 MANAGERIAL ECONOMICS 3 F,S

ECO 101 req; 130 and 131 or equiv rec.

Theoretical and applied study of demand, cost, and production related to the theory of the firm. Developments of current interest; empirical studies intended to affirm or disaffirm applicability of economic principles.

240 INTERMEDIATE MICROECONOMIC THEORY 3 F,S

C or better in ECO 101, 102 and 130 or equiv, 131 or equiv req.

Emphasis on topics regarding resource allocation, scarcity, and distribution of income; theory of consumer choice, theory of the firm, market structures, factor markets, distribution of income, welfare economics, and general equilibrium.

241 INTERMEDIATE MACROECONOMIC THEORY 3 F,S

C or better in ECO 101, 102 and, 130 or equiv, 131 or equiv req.

Theory of income, employment, interest rate and price level determination. The government's influence on these variables via monetary and fiscal policies.

300.01 SOCIAL SCIENCE SEMINAR 3 S

SSC maj, jr standing; 20 hrs of SSC or cons inst or SSC advisor. Not for ECO cr. Also offered as ANT/GEO/HIS/POS/SOC 300.01.

An intensive interdisciplinary study of a selected area in the social sciences, including a research project.

302 PROBLEMS IN THE WORLD ECONOMY 2-3 S,Summer

ECO 101 and 102 req; ECO 240 or 241 rec.

Application of economic theories to contemporary world problems. Practice in economic analysis using relevant data.

310 SOVIET ECONOMY 3 S

ECO 101 and 102 req.

Economic growth of the Soviet Union. NEP and economic planning. Examination of particular sectors of the Soviet economy. Pricing, decentralization, and economic reform.

320 INDUSTRIAL ORGANIZATION AND PRICES 3 F

ECO 101 req.

Theoretical and empirical analysis of basic influences on industrial markets and performances. Market practices, the role of competition, and related policy issues.

326 ECONOMICS OF HUMAN RESOURCES 3 F

ECO 101 and 102 req. ECO 225 and 240 rec.

Theoretical and empirical analysis of labor markets. Education and training, labor mobility, wage structure, discrimination, unemployment, wage and incomes policies.

327 COLLECTIVE BARGAINING AND INDUSTRIAL RELATIONS 3 S

ECO 101 and 102 req. ECO 225 rec.

Economic analysis of U.S. industrial relations system; determinants of its structure; collective bargaining environment; trade union structure, administration, growth and power.

328 DEMOGRAPHIC ECONOMICS 3

ECO 101 and 102 req.

Theoretical and empirical study of the economics of population changes, distributions, and characteristics. Population dynamics, policy issues, and economic consequences.

329 ECONOMICS ISSUES IN EDUCATION 3 S

ECO 101 req.

Analysis of economic issues in education including efficiency and equity, public vs. private provision of educational services, and education as human capital.

330 MATHEMATICAL ECONOMICS 3 F

ECO 101 and 102; ECO 130 or MAT 121 or MAT 145 req.

Integral calculus, difference equations, differential equations and linear algebra in relation to economic theory.

331 INTERMEDIATE ECONOMIC STATISTICS 3 F

ECO 101, 102 and 131; ECO 130 or MAT 121 or MAT 145 req.

Intermediate level probability and sampling theory. Hypothesis testing. Estimation. Basic econometric principles. Use of common regression packages such as ESP.

333 OPERATIONS RESEARCH 3 S

ECO 101 and 131; ECO 130 or MAT 121 or MAT 145 req.

Quantitative techniques for economic analysis and decision making. Includes linear programming, input-output analysis, game theory, queuing theory, and probabilistic models, with emphasis on applications to theory of the firm.

335 ECONOMICS OF TRANSPORTATION AND PUBLIC UTILITIES 3 F,S

ECO 101 req.

Contemporary issues in transportation and public utilities with emphasis on the impact of regulation.

345 INTERNATIONAL TRADE 3 S

ECO 101 and 102 req. ECO 240 rec.

Causes and consequences of international trade. Analysis of tariffs, quotas, other trade restrictions, current trade policy and multinational corporations.

346 INTERNATIONAL MONETARY THEORY 3 S

ECO 101 and 102 req. ECO 215 or 241 rec.

Mechanisms of international payments and evaluation of the international monetary system. Topics include exchange rates, balance of payments, international monetary cooperation, and connections between the domestic and international economy.

350 PUBLIC FINANCE 3 F

ECO 101 req. ECO 240 rec.

Analysis of the economic impacts of government expenditures and taxes on the allocation of resources and the distribution of income.

351 STATE AND LOCAL FINANCE 3 S

ECO 101 req. ECO 240 rec.

Economic impacts of state and local government expenditures and taxes, cost benefit analysis, and intergovernmental fiscal relations.

353 THE ANALYSIS OF TIME SERIES 3 F

ECO 101, 331 or MAT 350 or cons inst req. Also offered as MAT 353.

Theory and application of time series methods with reference to business and economic time series. Topics include classical decomposition methods, Box-Jenkins methods, spectral analysis, and robust methods. Practical application is obtained through mainframe and microcomputer statistical packages.

355 ENVIRONMENTAL ECONOMICS 3 S

ECO 101 req. ECO 131, 240 rec.

Theoretical and empirical analysis of environmental pollution generation and of corrective policies. Emphasis upon the resource allocation implications of public policy decisions.

357 URBAN AND REGIONAL ECONOMICS 3 F

ECO 101 and 102 req. ECO 240 rec.

A theoretical and empirical analysis of cities and regions. Pricing and efficiency aspects of urban policies and problems.

360 DEVELOPMENT OF THE AMERICAN ECONOMY 3 S

ECO 101 and 102 req.

Recent empirical studies and applications of economic theory to historical problems in an American context. Causes of the Great Depression, economics of slavery, and roles of agriculture, industry, and government in-growth.

372 HISTORY OF ECONOMIC THOUGHT 3 S

ECO 101 and 102 req.

Economic analysis from the Mercantilists to the American Institutionalists. Relates earlier schools of thought to the contemporary.

398 PROFESSIONAL PRACTICE: INTERNSHIP IN ECONOMIC RESEARCH 3-6 F,S

ECO 130, 131, 240, 241 or equiv and cons dept Prof Pract Coord req; 2.5 GPA in ECO courses, 2.2 overall GPA, and 50 hrs cr req; CR/NC only; not for cr maj/min; must complete dept application.

On-the-job experience as a practicing economist in private industry or government. Interns may be involved in all phases and types of economic research.

ENGLISH (ENG)

409 Stevenson Hall, (309) 438-3667

Chairperson: Ron Fortune.

Tenured/Tenure-track Faculty:

Distinguished Professors: R. White, R. Tarr.

Professors: L. Brosnahan, Dammers, Duncan, Fortune, Getsi, C. Harris, V. Harris, Kagle, Linneman, Morgan, Neuleib, O'Brien, Renner, Rutter, Shields, Steffensen, C. White, Woodson.

Associate Professors: I. Brosnahan, Carr, Elledge, Hesse, Hutton, Kalmbach, Scharton, Strickland, Wallace.

Assistant Professors: Balls, Brasseur, Cox, Foster, Giscombe, H. Graves, Greer, Harrington, Hawkins, Huff, McBride, McLaughlin, Nietzsche, Parmantie, Rosenthal, Sawaya, Susina, A. Tarr, Thompson, Trites, Visor.

Other Faculty:

Instructional Faculty: Assistant Professors: R. Graves, Spove.

Faculty Fellow: Professor: Ranta.

Lecturers: Feaster, Wright.

Administrative/Professional: Fennick, Foehr, Haefner, Lee, Parry, Witkowska.

English Programs

Degrees Offered: B.A., all English majors; B.S., restricted as an option to students in the Teacher Certification Sequence.

MAJOR IN ENGLISH

- 40 hours in English required, *exclusive* of ENG 101 and courses in the teaching of English (296, 297, 395).
- Required Courses: ENG 102, and 103 with "C" or better or consent Department chair required, and 300.
- Each student's plan of study for the remaining 30 hours of coursework must be submitted to the ENG Department undergraduate advisor. In structuring their program, students should consult Department faculty members and/or the undergraduate advisor, and should be guided by the "Goals of the Major in English at Illinois State University" (available from the Department undergraduate advisor). Departmentally-approved sample programs, including descriptions of the various

concentrations within the field of English studies, are available from the Department advisor.

Teacher Certification Sequence:

- To graduate in the English Major
- Teaching, students must have a GPA of 2.5 in all English courses taken at Illinois State University.
- 46 hours in English required, *exclusive* of ENG 101. Part of entitlement program leading to certification: secondary 6-12.
- Required courses for certification and accreditation: ENG 246; 3 hours in grammar, ENG 243; 1 course in language selected from ENG 241, 245, 310, 311, 341; ENG 296 and 297 (these courses include 35 clock-hours of state-mandated pre-student teaching clinical experiences).
- Additional required courses:
ENG 102, 103 with "C" or better, or cons dept chair req, and 300.
9 hours of British Literature courses selected from ENG 110, 214, 215, 216, 217, 218, 219, 222, 223, 311, 320, 324, 325, 327, 328, 329, 378, 386, 387, 388. 1 course before 1800 and 1 course after 1800 is required. ENG 110 is *strongly recommended* for students who have not taken a high school or community college survey course in British Literature.

6 hours of American literature courses selected from ENG 130, 231, 232, 233, 234, 236, 328, 332, 336. 1 course before 1870 and 1 course after 1870 is required. ENG 130 may be counted either before or after 1870. ENG 130 is *strongly recommended* for students who have not taken a high school or community college survey course in American literature.

6 hours of electives selected from at least 2 of the following groups: World Literature: ENG 150, 156, 250, 251, 252, 255, 352. ENG 150 is *strongly recommended* for students who have not taken a high school or community college survey course in ancient literature. Literature for Children and Adolescents: ENG 170, 272, 370, 372, 373, 374, 375. Special Focus Literature (Minority, Women's, Genre): ENG 160, 165, 260, 308, 360, 381, 382. General electives: ENG 145, 244, 247, 249, 290, 291, 344, 347.01, 347.02, 348, 349, 350, 384, 391, 392, 395, 396. ENG 189, 287, 289, and 389 may substitute where applicable.

MINOR IN ENGLISH

- 18 hours in English required, *exclusive* of ENG 101 and courses in the teaching of English (290, 291, 296, 297, 370, 372, 373, 375, 395).
- Required courses: ENG 102, 103; at least 9 hours of 200 through 300-level courses, *exclusive* of the courses in teaching of English listed above.

MINOR IN ENGLISH

For Teacher Education:

- 24 hours in English required, *exclusive* of ENG 101.
- Required courses: ENG 102, 103; 3 hours in composition selected from ENG 246, 291, 297; 3 hours in grammar, ENG 243; at least 6 additional hours of 200 through 300-level courses.

MINOR IN TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL)

Students enrolling in this program must have at least 2 years of a foreign language or equivalent at the college level in the case of a native speaker of English, or demonstrated profi-

ciency in English at a level commensurate with the student's role as a language model and instructor in the case of a non-native speaker of English.

- 18 hours required.
- Required courses: ENG 341, 343, 344, 345, and 346; 3 hours selected from ENG 241, 243, 310, 440, and COM 370.
- Elective practicum ENG 394.

Approval Certificate in Teaching English as a Second Language:

Students of both graduate and undergraduate standing may obtain an Illinois State Approval for Teaching English as a Second Language by fulfilling the following requirements: 1) fulfill Teacher Education Certification requirements of either the Standard Elementary and/or High School Certificate, 2) complete the 18 hours of required coursework as listed in the minor in TESOL above, and 3) obtain 100 clock hours of ESL clinical experience or 3 months of teaching experience in English as a Second Language at the appropriate level. This practical experience may be obtained by enrolling in ENG 394.

MINOR IN WRITING

Courses taken for the Writing Minor may not count for the English Major.

- 24 hours required, including 15 hours of required courses and 9 hours elected from listed writing courses.
- Required courses (15 hrs): ENG 145, 246, and 396; also 6 hours selected from ENG 244, 247, 248, 249, 391, 392.
- Electives (9 hrs) selected from ENG 244, 247, 248, 249, 349, 391, and 392 to the extent these courses have not been used to meet the 6-hour requirement above; ENG 290, 291, 297, 347.01, 347.02, 348, 349, 350, 398 (Professional Practice, when it has a significant writing component); COM 166, 267, 268, and 385; BSC 304. No more than 2 courses from departments other than English may be used to fulfill the 9-hour elective requirement.

HONORS IN ENGLISH

The Department of English offers honors work to qualified students. Honors work includes intensive study in a special area of the student's major or minor. Each individual project is to culminate in a comprehensive written report and/or examination. Honors work is open only to resident students who have achieved superior academic records and who have demonstrated the ability to profit from independent study.

English Courses

The courses offered by the Department of English fall into three categories: those for University Studies, those for major and minor fields, and those for specialized aspects in English. English 101 is required of all students for University Studies, and it is strongly recommended that students take 101 before taking further courses in English.

- 101 LANGUAGE AND COMPOSITION I** 3 US-1 F,S
Passage of placement exam req. Does not count toward a first or second field in ENG. May not be taken under the CT/NC option. Compucard charge optional.

Essentials of college composition: organization, paragraph and sentence structure, proficient use of grammar and mechanics. Computer-assisted.

- 102 LITERARY ANALYSIS I: PROSE FICTION** 3 F,S

Maj/min only. Not for cr if had ENG 105.

To provide competence in critical reading, knowledge of formal characteristics of novels and short stories, including their development as genres.

- 103 LITERARY ANALYSIS II: POETRY AND DRAMA** 3 F,S

Maj/min only. Not for cr if had ENG 104.

To provide competence in critical reading, knowledge of formal characteristics of various types of poetry and drama, including their development as genres.

- 104 INTRODUCTION TO LITERATURE: POETRY AND DRAMA** 3 US-2 F,S

Not for cr maj/min or if had ENG 103.

Critical and analytical study of the chief literary forms of poetry and drama; written essays.

- 105 INTRODUCTION TO LITERATURE: PROSE FICTION** 3 US-2 F,S

Not for cr maj/min or if had ENG 102.

Critical and analytical study of the chief literary forms of the short story and novel; written essays.

- 106 INTRODUCTION TO LITERATURE: LITERARY THEMES AND TOPICS** 3 US-2 F,S

Not for cr maj/min. May be repeated once if topic and content are different.

A critical and analytical study of literary works based on a particular theme or topic; written essays.

- 107 LITERATURE AND FILM** 3 US-2 F,S

Not for cr maj/min.

A critical and analytical study of literary works and the films adapted from them with attention to the characteristics of each medium; written essays.

- 110 MASTERPIECES OF ENGLISH LITERATURE** 3 US-2 F,S

A chronological study of the main movements in English literature. Readings of entire works representative of the movements.

- 122 INTRODUCTION TO SHAKESPEARE** 3 US-2 F,S

Not for cr maj/min.

An introduction to Shakespeare as a literary and dramatic writer, through a study of representative plays.

- 130 MASTERPIECES OF AMERICAN LITERATURE** 3 US-2 F,S

A chronological study of the main movements in American literature. Readings of entire works representative of the movements.

- 141 HUMAN LANGUAGE** 3 US-1 F,S

Not for cr Teacher Certification Seq.

Introduction to the study of human language, the branches of the field, its past, present, and future.

- 145 LANGUAGE AND COMPOSITION II** 3 US-1 F,S

ENG 101 req. Compucard charge optional.

Extensive writing based on interests of students. One research paper. Computer-assisted.

**150 MASTERPIECES OF
WORLD LITERATURE****TO 1350** 3 US-2 F,S

Readings in ancient and medieval literature, including Dante.

156 INTRODUCTION TO EAST**ASIAN LITERATURE** 3 US-8 F,S

Survey of Asian literature in translation from the beginning to the present; emphasis on Chinese and Japanese literatures.

160 WOMEN IN LITERATURE 3 US-2 F,S

Female experiences in literature. A variety of genres and historical periods.

**165 AFRICAN AMERICAN
LITERATURE**

3 US-2 F,S

Contributions to American literature by representative Black authors, with emphasis on the 20th century.

170 FOUNDATIONS IN LITERATURE**FOR CHILDREN** 3 F,S*Formerly LITERATURE FOR YOUNG CHILDREN.*

Prose and poetry for children ages 5-14; emphasis on classics, best of the 20th century works, folklore heritage, and mythology.

**214 LITERATURE OF THE
RENAISSANCE**

3 F,S

C or better in ENG 102 or 103 or cons dept chair req.

English literature during the 15th and 16th centuries; the dramatic literature exclusive of Shakespeare, prose and poetic writings.

**215 LITERATURE OF THE
SEVENTEENTH CENTURY**

3 F,S

C or better in ENG 102 or 103 or cons dept chair req.

Prose and verse writers of the 17th century. Chief attention to the Cavalier and Metaphysical poets and major prose works.

**216 LITERATURE OF THE
EIGHTEENTH CENTURY**

3 F,S

C or better in ENG 102 or 103 or cons dept chair req.

English literature from 1660 to 1780, the Augustan Age. Chief attention to Dryden, Pope, Swift, and Johnson.

**217 LITERATURE OF THE
ROMANTIC PERIOD**

3 F,S

C or better in ENG 102 or 103 or cons dept chair req.

Writers of England, 1780 to 1830—the Romantic reaction. Chief attention to Wordsworth, Coleridge, Byron, Shelley, Keats, and Scott.

**218 LITERATURE OF THE
VICTORIAN PERIOD**

3 F,S

C or better in ENG 102 or 103 or cons dept chair req.

Emphasis on the poetry of Tennyson, Browning, Arnold, and the Pre-Raphaelites, with some attention to the chief prose writers of the period.

**219 CONTEMPORARY ENGLISH
LITERATURE**

3 F,S

C or better in ENG 102 or 103 or cons dept chair req.

Major English writers of the 20th century with attention to contemporary trends in thought and expression.

222 SHAKESPEARE'S EARLIER WORKS 3 F,S*C or better in ENG 102 or 103 or cons dept chair req.*

Selected works through 1600 with emphasis on comedies and histories.

223 SHAKESPEARE'S LATER WORKS 3 F,S*C or better in ENG 102 or 103 or cons dept chair req.*

Selected plays after 1600 with emphasis on tragedies.

231 AMERICAN LITERATURE:**1607-1830** 3 F,S*C or better in ENG 102 or 103 or cons dept chair req.*

Colonial American writers and Neo-Classicism in America from the beginnings of American literature to Washington Irving.

232 AMERICAN LITERATURE:**1830-1870** 3 F,S*C or better in ENG 102 or 103 or cons dept chair req.*

Main figures and movements of mid-19th century American literature. Emphasis on Hawthorne, Melville, Poe, Emerson, and Whitman.

233 AMERICAN LITERATURE:**1870-1920** 3 F,S*C or better in ENG 102 or 103 or cons dept chair req.*

The rise of realism and naturalism in America. Emphasis on writers such as Twain, Crane, Norris, James, Howells, Dreiser, and the chief poetic movements.

234 AMERICAN LITERATURE:**1920-1945** 3 F,S*C or better in ENG 102 or 103 or cons dept chair req.*

Trends in American literature between the World Wars. Emphasis on Eliot, Hemingway, Faulkner, and their contemporaries.

236 AMERICAN LITERATURE:**1945-PRESENT** 3 F,S*C or better in ENG 102 or 103 or cons dept chair req.*

Present-day trends in American literature.

**241 GROWTH AND STRUCTURE
OF THE ENGLISH LANGUAGE**

3 F,S

An introduction to the history of English designed to help students understand language change and the state of contemporary English.

**243 TRADITIONAL AND
NON-TRADITIONAL GRAMMARS**

3 F,S

Various grammatical descriptions of English: traditional, structural, and transformational generative systems.

**244 APPLIED GRAMMAR AND
USAGE FOR WRITERS**

3

ENG 145 or both ENG 102 and 103.

Traditional, structural, and transformational grammars applied to needs of writers. Choosing among alternative grammatical strategies. Usage; semantics of punctuation. Revising.

245 GENERAL SEMANTICS

3 S

The nature of meaning and the functions of language.

246 ADVANCED EXPOSITION

3 F,S

ENG 145 or both ENG 102 and 103. Compucard charge optional.

Extensive writing of essays developed in greater depth and sophistication in subject matter than those written in previous writing courses. Computer-assisted.

247 CREATIVE WRITING

3 F,S

Opportunity for creative writing of various kinds, such as narrative, drama, and verse, determined largely by each student's individual interest.

248 PRELAW EXPOSITION

3 F

ENG 101 req.

Advanced writing course for prelaw students.

- 249 TECHNICAL WRITING I** 3 F,S
ENG 101 req. Compucard charge optional.
 Instruction and practice in writing professional papers and reports; attention given to organization, correctness, and acquisition of clear professional style. Computer-assisted.
- 250 LITERATURE OF THE BIBLE I** 3 US-2
 Major ideas and literary forms of the Old Testament.
- 251 LITERATURE OF THE BIBLE II** 3 US-2
 Major ideas and literary forms of the Apocrypha and the New Testament.
- 252 WORLD LITERATURE: 1350-1800** 3
C or better in ENG 102 or 103 or cons dept chair req.
 European literature from the Renaissance through Early Romanticism. A comparative study of literary history, ideas, themes and genres.
- 255 MODERN WORLD LITERATURE: 1800-PRESENT** 3
C or better in ENG 102 or 103 or cons dept chair req.
 World literature from later Romanticism through Modernism. A comparative study of literary history, ideas, themes and genres.
- 260 HISTORY OF LITERATURE BY WOMEN** 3 F,S
 Women writers in the Western tradition from the late Middle Ages to the present; emphasis on those writing in English.
- 271 LITERATURE FOR YOUNG CHILDREN** 3
Does not repeat material of COM 170 or ENG 170.
 Wide reading of books available for children ages 5 to 9, criteria for book selection, development of literature experiences.
- 272 LITERATURE FOR PRE-ADOLESCENTS** 3
Does not repeat material of COM 170 or ENG 170.
 Wide reading in variety of books available for ages 9 to 14, criteria for book selection, development of literature experiences.
- 290 LANGUAGE ARTS** 3
 The study of language development and experiences in areas such as thinking, listening, speaking, writing, vocabulary development, usage, and spelling.
- 295 TEACHING LITERATURE AND WRITING IN THE MIDDLE SCHOOL** 3
Not to be taken by ENG Ed maj without permission.
 Surveys recent scholarship on composition and literary theory and examines implications for teaching literature and writing at the middle school level. Computer assisted.
- 296 THE TEACHING OF LITERATURE** 3 F
C or better in C&I 216 or conc reg req. Incl Clin Exp. Adm to Teacher Ed req.
 Examines implications of current scholarship in literary theory for teaching literature at the secondary level.
- 297 THE TEACHING OF WRITING** 3 F
C or better in C&I 216 or conc reg req. Incl Clin Exp. Adm to Teacher Ed req. Compucard charge optional.
 Examines implications of current scholarship in composition theory for teaching writing at the secondary level. Computer assisted.
- 300 SENIOR SEMINAR** 4 F,S
ENG maj and sr standing or cons dept chair req.
 Intensive study of an announced area and the formulation of an individual portfolio.
- 308 LITERATURE AND THE RELATED ARTS** 3
Jr/sr standing or cons dept chair req.
 Formal, aesthetic, and cultural relationships among literature, art, and music with special emphasis upon literary understanding.
- 310 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE** 3
Jr/sr standing or cons dept chair req.
 Development of the English language from the Old English period to the present, with attention to operational structures of contemporary English.
- 311 INTRODUCTION TO OLD ENGLISH LANGUAGE AND LITERATURE** 3
Jr/sr standing or cons dept chair req.
 Elements of Old English grammar, with selected readings in Old English literature.
- 320 CHAUCER** 3
Jr/sr standing or cons dept chair req.
 Literary and linguistic study of the major works of Chaucer; text in Middle English.
- 324 MILTON** 3
Jr/sr standing or cons dept chair req.
 Major poetry and prose of John Milton; special attention to "Paradise Lost."
- 325 ENGLISH DRAMA BEFORE 1642** 3
Jr/sr standing or cons dept chair req.
 English drama, excluding Shakespeare, from its beginning to the closing of the theatres; authors such as Marlowe, Jonson, Webster.
- 327 RESTORATION AND EIGHTEENTH-CENTURY DRAMA** 3
Jr/sr standing or cons dept chair req.
 English drama from 1660 to 1800, including playwrights such as Dryden, Wycherley, Congreve, Goldsmith, and Sheridan.
- 328 MODERN BRITISH AND AMERICAN DRAMA** 3
Jr/sr standing or cons dept chair req.
 20th century British and American drama and related criticism; playwrights such as Shaw, O'Neill, Williams, Albee, Pinter, and Beckett.
- 329 SELECTED FIGURES IN BRITISH LITERATURE** 3
Jr/sr standing or cons dept chair req. May be repeated if content different.
 Important literary figures, types, themes, or movements.
- 332 SELECTED FIGURES IN AMERICAN LITERATURE** 3
Jr/sr standing or cons dept chair req. May be repeated if content different.
 Important literary figures, genres, or movements.
- 336 THE AMERICAN NOVEL** 3
Jr/sr standing or cons dept chair req.
 Historical survey of major American novelists, including authors such as Twain, Hawthorne, Melville, Crane, Hemingway, Faulkner, and Barth.

341 INTRODUCTION TO DESCRIPTIVE LINGUISTICS 3*Jr/sr standing or cons dept chair req.*

Aims and methods of linguistic science. Nature and functions of language: phonology, morphology, syntax, dialectology. Relationship of language to culture.

343 CROSS-CULTURAL ASPECTS IN TESOL 3*ENG 241 or 243 or 341 req.*

The relationship between language, culture, and cultural awareness in the learning and teaching of English as a Second Language.

344 TESOL: THEORETICAL FOUNDATIONS 3*ENG 243 or 341.*

Linguistic theories; first and second language acquisition; cognitive, affective, and cultural factors in teaching English as a Second Language.

345 TESOL: METHODS AND MATERIALS 3*ENG 344 req. Inc Clin Exp.*

Methodologies and techniques for teaching English as a Second Language; evaluation of materials for various levels and instructional goals.

346 ASSESSMENT AND TESTING IN ESL 3*ENG 341 req.*

Assessing oral and written proficiency in English as a Second Language.

347.01 ADVANCED CREATIVE WRITING: POETRY 3 F,S*ENG 247 or grad standing. May be repeated if content different.*

Workshop format for individual projects.

347.02 ADVANCED CREATIVE WRITING: PROSE 3 F,S*ENG 247 or grad standing. May be repeated if content different.*

Workshop format for individual projects.

348 PLAYWRITING 3 S*Also offered as THE 348.*

Playwriting techniques of selected masters with practical application of techniques in writing original plays.

349 TECHNICAL WRITING II 3 F,S*ENG 249 or grad standing. Also offered as IT 349. Compucard charge optional.*

Instruction and practice in editing, proposals, and analytical writing; attention given to style manuals, research writing, and (as needed) publication. Computer-assisted.

350 VISIBLE RHETORIC 3*ENG 349 or cons inst req. Compucard charge optional.*

Study of the visible elements of rhetoric and of publishing as an integrating activity in English. Computer assisted.

352 SELECTED FIGURES IN WORLD LITERATURE 3*Jr/sr standing or cons dept chair req. May be repeated if content different.*

Important literary figures, types, themes, or movements.

360 STUDIES IN WOMEN AND LITERATURE 3*Jr/sr standing or cons dept chair req.*

Studies in literature by or about women, focusing on stereotyping of male and female experience and developing feminist aesthetic theories.

370 STUDIES IN THE HISTORY OF LITERATURE FOR YOUNG PEOPLE 3*ENG 170 rec. May be repeated if content different.*

Advanced critical, chronological examination of literature for children and adolescents from folklore origins to 1900.

372 STUDIES IN CONTEMPORARY LITERATURE FOR YOUNG PEOPLE 3*ENG 170 rec. May be repeated if content different.*

A problem-centered course, emphasizing trends and research related to recent literature for children and early adolescents.

373 VERSE FOR CHILDREN 3*ENG 170 and either 271 or 272 rec.*

Verse for children and early adolescents, including various categories, elements, and well-known poets in the field.

374 STORYTELLING 3

The art of storytelling based on knowledge of folklore heritage with experiences in oral transmission of literature in a variety of settings.

375 STUDIES IN LITERATURE FOR ADOLESCENTS 3*Jr/sr standing or cons dept chair req. May be repeated if content different.*

Advanced critical examination of literature for young adults with emphasis on trends and research.

378 SHAKESPEARE ON STAGE 3 Summer*May be repeated once. Also offered as THE 378.*

An intensive study of Shakespeare's plays in production. For the student with adequate familiarity with Shakespeare and his works.

381 STUDIES IN LITERARY GENRES 3*ENG 102 and 103, or grad standing, or cons inst req. May be repeated if content different.*

Systematic study of theory and practice of a literary type or genre.

382 LITERARY CRITICISM 3*Jr/sr standing or cons dept chair req.*

Historical survey of selected great texts in literary and critical theory from Plato to the present.

384 INTRODUCTION TO CULTURAL THEORY 3*Jr/sr standing or cons dept chair req.*

Introduction to the history and practice of interpretive cultural theory.

386 THE EIGHTEENTH-CENTURY ENGLISH NOVEL 3*Jr/sr standing or cons dept chair req.*

The English novel from its origins through the 18th century, including writers such as Richardson, Fielding, Smollett, and Sterne.

387 THE NINETEENTH-CENTURY ENGLISH NOVEL 3*Jr/sr standing or cons dept chair req.*

The English novel between 1800 and 1900, treating writers such as Austen, Thackeray, Dickens, Eliot, and Hardy.

388 THE TWENTIETH-CENTURY ENGLISH NOVEL 3*Jr/sr standing or cons dept chair req.*

The English novel since 1900, treating writers such as Bennett, Lawrence, Woolf, Joyce, and Greene.

390 RESEARCH STUDIES IN LANGUAGE ARTS 3*Jr/sr standing or cons dept chair req.*

Critical study of current practice and research in language arts and language development.

391 SURVEY OF CLASSICAL RHETORIC 3 F*Jr/sr standing or cons dept chair req.*

Rhetorical theories from ancient Greece to 1900, emphasizing Plato, Aristotle, Cicero, and Quintilian.

392 MODERN THEORIES OF RHETORIC 3 S*Jr/sr standing or cons dept chair req.*

Study of the principles of rhetoric to serve as basis for understanding contemporary rhetorical theories.

394 TESOL PRACTICUM 1-6*ENG 345 req.*

Observation, case studies, tutoring, instructional assistance, and/or direct instruction in English as a Second Language.

395 PROBLEMS IN THE TEACHING OF ENGLISH 3*Experience in teaching (student teaching acceptable) or ENG 296 or 297. May be repeated if topics differ.*

Theory and practice in the teaching of language, literature, and composition at the secondary and community college levels.

396 THE WRITING SEMINAR 3 F,S*ENG 246 or grad standing or cons dept chair req.*

Concentration upon a major writing project and the formulation of an individual Writing Portfolio.

398 PROFESSIONAL PRACTICE: INTERNSHIP IN ENGLISH 1-6 F,S*Cons inst and dept chair req. May be repeated; max 6 hrs toward maj/min; max 16 hrs toward graduation.*

Supervised field experience in English with local, state, national, and international businesses, agencies, institutions (including colleges and universities), and organizations.

FOREIGN LANGUAGES (FOR)

412 Stevenson Hall, (309) 438-3604

Chairperson: Alice Berry**Tenured/Tenure-track Faculty:***Professors:* Bohn, Laurenti, Parent, Urey.*Associate Professors:* Alstrum, Berry, Johnston, Kaiser, Kurtz, Reid, C. Springer.*Assistant Professors:* M. Davies, Heggie, Kapanga, Lillo, Nance, Rosenthal, Segelcke, R. Thomas, Trouille, VanDerLaan, Vilarrubla, Weeks, Widdison, Yarza.**Other Faculty:***Lecturers:* K. Davis, C. Dillingham, Henry, Shur, M. Thomas.**Administrative/Professional:** Mitchell, Strauch.**French Programs**

Degree Offered: B.A.

MAJOR IN FRENCH

— A minimum of 33 hours and maximum of 41 hours in French are required. The number of hours required for the Major in French depends on the level at which a student begins the program. Students with no previous study in French begin the language with FR 111 and must complete 41 hours. Students with 2 years of high school French (or equivalent) normally begin with FR

112 and must complete 37 hours beyond 111. Students with 3 years of high school French (or equivalent) normally begin with FR 115 and must complete 33 hours beyond 111 and 112.

— Required courses: FR 115, 116, 213, 220, 221, 222, 395, plus 10 elective hours of which 3 must be taken at the 300-level or above.

Teacher Certification Sequence:

— A minimum of 37 hours and a maximum of 45 hours in French are required. The number of hours required for the major in French for teacher certification depends on the level at which a student begins the program. Students with no previous study in French begin the language with FR 111 and must complete 45 hours. Students with 2 years of high school French (or equivalent) normally begin with FR 112 and must complete 41 hours beyond 111. Students with 3 years of high school French (or equivalent) normally begin with FR 115 and must complete 37 hours beyond 111 and 112.

— Required courses: FR 115, 116, 211, 213, 214, either 217 or 305, 309, 310, FOR 320, 321, and either FR 221 or 222, plus sufficient electives to meet the total hour requirement as indicated above.

— Part of entitlement program leading to certification: secondary 6-12.

— Recommended elective: FR 395.

MINOR IN FRENCH

— 24 hours in French required.

— Required courses: FR 111, 112, 115, 116, 213, plus sufficient electives to meet the 24-hour requirement.

MINOR IN FRENCH**Teacher Certification Requirements:**

— A minimum of 24 and a maximum of 32 hours in French are required. The number of hours required for the minor in French for teacher certification depends on the level at which a student begins the program. Students with no previous study in French begin the language with FR 111 and must complete 32 hours. Students with 2 years of high school French (or equivalent) normally begin with FR 112 and must complete 28 hours beyond 111. Students with 3 years of high school French (or equivalent) normally begin with FR 115 and must complete 24 hours beyond 111 and 112.

— Required courses: FR 115, 116, 213, 214, 309, FOR 320, plus sufficient electives to meet the total hour requirements as indicated above.

— Recommended electives: FR 211, 217, 221, 222, 310, FOR 321.

German Programs

Degree Offered: B.A.

MAJOR IN GERMAN

— 33-41 hours in German required. The number of hours required for the Major in German depends on the level at which the student begins the program. Students with no previous study in German begin in 111 and are required to complete 41 hours. Students with 2 years of high school German or equivalent normally begin with 112 and are required to complete 37 hours, exclusive of 111. Students with 3 years of high school German or equivalent normally begin in 115 and are required to complete 33 hours, exclusive of 111 and 112.

- Required courses: GER 115, 116, 211, 213, 214, 217, 222, 395, and 1 literature course at the 300-level, plus sufficient electives to meet the total hour requirement indicated below.

Teacher Certification Sequence:

- 37-45 hours in German required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses: GER 115, 116, 211, 213, 214, 217, 218, 309; FOR 320, 321; and 1 literature course at the 300-level, plus sufficient electives to meet the total hour requirement indicated below.
- Recommended electives: GER 216, 222, 395.
- The number of hours required for the Major in German for Teacher Certification depends on the level at which a student begins the program. Students with no previous study in German begin the language with GER 111 and are required to complete 45 hours. Students with 2 years of high school German (or equivalent) normally begin with GER 112 and are required to complete 41 hours, exclusive of 111. Students with 3 years of high school German (or equivalent) normally begin with GER 115 and are required to complete 37 hours, exclusive of 111 and 112.

MINOR IN GERMAN

- 24 hours in German required.
- Required courses: GER 111, 112, 115, 116, 211, 213, plus sufficient electives to meet the 24-hour minimum.

MINOR IN GERMAN

For Teacher Education:

- 24-32 hours in German required.
- Required courses: German 115, 116, 211, 213, 214, 217 or 218, FOR 320, plus sufficient electives to meet the total hour requirement indicated above.
- Recommended electives: GER 216, 222, 309; FOR 321.
- The number of hours required for the Minor in German for Teacher Certification depends on the level at which a student begins the program. Students with no previous study in German begin the language with GER 111 and are required to complete 32 hours. Students with 2 years of high school German (or equivalent) normally begin with GER 112 and are required to complete 28 hours, exclusive of 111. Students with 3 years of high school German (or equivalent) normally begin with GER 115 and are required to complete 24 hours, exclusive of 111 and 112.

Japanese Programs

MINOR IN JAPANESE STUDIES

- 24 hours in Japanese and related courses required.
- Required courses: JPN 111, 112, 115, 116, 231, 232, plus sufficient electives to meet the total hours indicated above.
- Electives: HIS 275; ANT 294, or other approved by Department.

Latin Programs

MINOR IN LATIN

- 24 hours in Latin and related courses required.
- Required courses: LAT 111, 112, 115, 116, 221, 222, plus sufficient electives to meet the 24-hour minimum.
- Electives: FOR 105, 205; HIS 221; PHI 254; ART 367, or others approved by Department.

MINOR IN LATIN

Teacher Certification Requirements:

- Program requirements are the same as those for the Minor in Latin.
- Students not majoring in FOR Education are encouraged to take FOR 320.

Russian Programs

Degree Offered: B.A.

Russian Studies is an interdisciplinary program combining courses from Foreign Languages, Economics, Geography, History, and Political Science. Courses offered in the program in addition to the Russian Language series are:

ECO 310 Soviet Economy
FOR 285 Topics in Russian Literature
GEO 245 Soviet Union
HIS 233 History of Russia I: To 1725
HIS 234 History of Russia II: Since 1725
HIS 366 Soviet-Russia: 1917 - Present
POS 242 Soviet Government and Politics
POS 354 Soviet Foreign Policy

MAJOR IN RUSSIAN STUDIES

- 46 hours required.
- Language requirement: RUS 111, 112, 115, 116, 217.
- Area studies requirement: RUS 110; 15 hours selected from ECO 310, GEO 245, HIS 233, 234, 366, POS 242, 354, RUS 285.
- An additional 6 hours in electives selected from area studies courses above or Russian/Soviet Area Studies ECO 306, FOR 306, GEO 306, HIS 306, POS 306 for study in the Soviet Union or Russian language courses.
- Senior Thesis (RUS 391, 3 hrs)

MINOR IN RUSSIAN

- 25 hours in Russian required.
- Required courses: RUS 111, 112, 115, 116, 231, plus sufficient electives to meet the 25-hour minimum.

MINOR IN RUSSIAN

Teacher Certification Requirements:

- Program requirements are the same as those for the Minor in Russian.
- Students not majoring in FOR Education are required to take FOR 320.

Spanish Programs

Degree Offered: B.A.

MAJOR IN SPANISH

- A minimum of 33 hours and a maximum of 41 hours in SPA req. The number of hours required for the major in Spanish depends on the level at which a student begins the program. Students with no previous study in Spanish begin the language with SPA 111 and must complete 41 hours. Students with 2 years of high school Spanish (or equiv) normally begin with SPA 112 and must complete 37 hours beyond 111. Students with 3 years of high school Spanish (or equiv) normally begin with SPA 115 and must complete 33 hours beyond SPA 111 and 112.
- Required courses: SPA 115, 116, 211, 232, 310, 395, and 2 of the following 3: 221, 222, 242; plus 7 elective hours, 2 courses of which must be taken at the 300-level or above.
- Recommended elective: SPA 231 (not for credit if have ACTFL speaking score of Advanced).

Teacher Certification Sequence:

- Part of entitlement program leading to certification: secondary 6-12.
- A minimum of 37 hours and a maximum of 45 hours in Spanish required. The number of hours required for the Major in Spanish for teacher certification depends upon the level at which a student begins the program. Students with no previous study in Spanish begin the language with SPA 111 and must complete 45 hours. Students with 2 years of high school Spanish (or equiv) normally begin with SPA 112 and must complete 41 hours beyond 111. Students with 3 years of high school Spanish (or equiv) normally begin with SPA 115 and must complete 37 hours beyond SPA 111 and 112.
- Required courses: SPA 115, 116, 217, 218 or 305, 232, 309, 310; FOR 320, 321, plus sufficient electives to meet the total hour requirement indicated above.
- Recommended electives: SPA 211, 221; 222 or 242; 231, 395, (231 not for credit if have ACTFL speaking score of Advanced).

MINOR IN SPANISH

- 24 hours in Spanish required.
- Required courses: SPA 111, 112, 115, 116, 231 or 232 (231 not for credit if have ACTFL speaking score of Advanced), and 1 literature course at the 200-level or above, plus sufficient electives to meet the total hour requirement indicated above.
- Recommended elective: SPA 232, if not taken to fulfill requirement.

MINOR IN SPANISH**For Teacher Education:**

- A minimum of 24 and a maximum of 32 hours in Spanish required. The number of hours required for the Minor in Spanish for teacher certification depends on the level at which a student begins the program. Students with no previous study in Spanish begin the language with SPA 111 and must complete 32 hours. Students with 2 years of high school Spanish (or equiv) normally begin with SPA 112 and must complete 28 hours beyond SPA 111. Students with 3 years of high school Spanish (or equiv) normally begin with SPA 115 and must complete 24 hours beyond SPA 111 and 112.
- Required courses: SPA 115, 116, 231 or 232, 309, 310, FOR 320, plus sufficient electives to meet the total hour requirement indicated above.
- Recommended electives: SPA 217; 218; 231 (231 not for credit if have ACTFL speaking score of Advanced; 305; FOR 321).

Teacher Education Requirements:

Students seeking a Teacher Education degree must complete University-wide Teacher Education Program Requirements. These include a minimum GPA of 2.5 in major. All Teacher Education majors must complete FOR 320 and FOR 321. FOR 320 is taken in the Fall and FOR 321 in the Spring of the junior or senior year. Professional Education requirements should be met beginning in the sophomore year. Teacher Education students are encouraged to apply for Admission to Teacher Education as soon as they have completed 45 hours, and must complete the Professional Education course work, the state of Illinois General Education requirements for Teacher Certification and all other Teacher Education requirements (See College of Education section of Catalog).

HONORS IN FOREIGN LANGUAGES

The Department invites highly qualified majors (or double majors) to distinguish themselves by earning honors in French, German, or Spanish. To be admitted to the program a student must: 1. have completed 60 hours of university-level work; 2. be a declared major or double major in Foreign Languages; and 3. have a minimum overall GPA of 3.3 with a GPA of 3.6 in the chosen language. In order to graduate with departmental honors a student must: 1. complete the general requirements for the Major; 2. maintain an overall GPA of 3.3 and a GPA of 3.6 in the major language; 3. complete 9 hours of in-course honors work at the 300-level in the major; 4. complete 3 hours of Independent Honors Study (FOR 299) in addition to the regular major requirements; and 5. write an honors thesis during the senior year while enrolled in FOR 299. Students interested in participating may obtain additional information from the Director of the Honors Program in Foreign Languages. The Department also offers in-course honors work for students enrolled in the University Honors Program at the discretion of the instructor.

Foreign Languages Courses

Consult the Course Registration Directory to determine which courses will be offered in a given semester.

For languages for which specific placement recommendations are not listed above, students who have had no previous instruction in a foreign language, or 1 year of instruction, should enroll in the 111 course for the appropriate language. Students who have had 2, 3 or 4 years generally enroll in 112, 115 or 116 respectively. If prior language study took place more than 1 year earlier, a student may choose to enroll at a lower level. Transfer students and native speakers should consult with the chairperson of the Department of Foreign Languages to determine proper placement.

RETROACTIVE CREDIT

If the first Foreign Language course in which a student enrolls is above 111 in the regular sequence (112, 115, 116 or above), he or she may be eligible for advanced placement credit. Application for advanced placement credit must occur during the first semester a student is enrolled in a language course.

Credit toward graduation for previously acquired language proficiency will be granted upon completion at Illinois State University of 8 hours of coursework (excluding Independent Study) with the grade of "C" or better in each class. Unless advance approval for exceptions is given by the chair, the courses should be taken consecutively or concurrently. None of the required hours may be taken under the CT/NC option. Transfer students who took language courses at another college are not eligible for this advanced placement credit.

Students beginning at the 112-level and fulfilling the above requirements will be granted 4 hours. Students beginning at the 115-level or above and fulfilling the above requirements will be granted 8 hours of credit.

300-Level Foreign Languages Courses: Instruction in courses in literature and culture of the major fields of specialization (French, German, Spanish) will be given in the language of specialization whenever possible.

General Courses**300 RESEARCH IN FOREIGN LANGUAGES****1-3 F,S***Cons dept chair req.*

Supervised work in a foreign literature, in comparative language studies, or in educational materials for foreign language laboratory. Assignments will depend on the preparation and interest of the student.

**320 FOREIGN LANGUAGE TEACHING
IN THE SECONDARY SCHOOL 3 F**

*C or better in C&I 216 or PSY 215 or conc reg req.
Incl Clin Exp. Adm to Teacher Ed req.*

Methods of teaching foreign languages in the secondary school. Special emphasis is given to materials and activities leading to mastery.

**321 MEDIA MATERIALS AND USE
IN THE TEACHING OF
FOREIGN LANGUAGES 2 S**

FOR 320 req. COM 240 rec. C or better in C&I 216 or PSY 215 or conc reg req. Incl Clin Exp.

Supplementing the basic methodology of Foreign Language teaching with media materials and the techniques for their use in the language classroom.

**398 PROFESSIONAL PRACTICE:
INTERNSHIPS AND COOPERATIVE
EDUCATION IN FOREIGN
LANGUAGE 1-16 F,S,Summer**

Complete dept application procedure. Max 16 hrs toward graduation. Depending upon nature of placement, dept may allow 1-4 hrs to count toward maj/min in language used. May be repeated.

Classics Courses**105 CLASSICAL MYTHOLOGY 3 US-2 F,S**

Taught in ENG.

The major myths; their nature, origins, interpretations, influence, relevance, and use in the modern world. Designed to enable the student to understand and appreciate the use of classical mythology in literature, art, and music.

**205 INTERPRETATIONS OF
CLASSICAL MYTHOLOGY 3 S**

FOR 105 rec.

Interpretations of Greek and Roman myths and their influence on art, literature, music, and film.

Arabic Courses**111 FIRST-YEAR
ARABIC (PART I) 4 US-1 F,S**

Introductory Modern Standard Arabic, emphasizing skills in listening and speaking, reading and writing, as well as systematic study of the basic grammatical structures and essential vocabulary.

**111 FIRST-YEAR
ARABIC (PART I) 4 US-1 F,S**

ARA 111 req.

Continuation of Introductory Modern Standard Arabic, emphasizing skills in listening and speaking, reading and writing, as well as systematic study of the basic grammatical structures and essential vocabulary.

Chinese Courses**111 FIRST-YEAR CHINESE (PART I) 4 US-1**

Introductory Chinese emphasizing listening and speaking skills; concentration on understanding and using simple phrases and vocabulary.

112 FIRST-YEAR CHINESE (PART II) 4 US-1

CHI 111 req.

Continuation of Introductory Chinese emphasizing listening and speaking skills; concentration on understanding and using simple phrases and vocabulary.

French Courses**108 FRENCH FOR BUSINESS 3**

Not for cr FR maj/min. Competence in FR not req.

French life, institutions and language as they relate to business. Study of effects of traditional cultural values on business.

**111 FIRST-YEAR
FRENCH (PART I) 4 US-1 F,S**

Not rec if student had 3 yrs of high school FR. Not for cr if had FR 115 or 116.

Pronunciation; essentials of grammar; exercises in hearing, speaking and writing French; reading material of graded difficulty.

**112 FIRST-YEAR
FRENCH (PART II) 4 US-1 F,S**

Not for cr if had FR 115 or 116.

Continuation of Part I.

**115 SECOND-YEAR
FRENCH (PART I) 4 US-1 F,S**

FR 112 or high school FR equiv req.

Class reading of short stories, plays, and essays. Grammar review, oral and written composition.

**116 SECOND-YEAR
FRENCH (PART II) 4 US-1 F,S**

Continuation of Part I.

**213 ADVANCED TECHNIQUES
IN WRITTEN FRENCH 3 F,S**

FR 116 req. Formerly FR 232.

Written communication skills in French. Formal and informal writing, use of dictionaries and reference materials, orthography, and vocabulary building. Grammar review.

**214 ADVANCED TECHNIQUES
IN SPOKEN FRENCH 3 F,S**

FR 116 req. Formerly FR 231.

Oral communication skills in French; conversation, formal reports, persuasion and argumentation, interviewing.

217 FRENCH CIVILIZATION 3

FR 116 req.

French people and institutions as background for the French teacher and student of French literature.

**220 ADVANCED FRENCH READING
AND VOCABULARY SKILLS 3**

FR 116 req. Rec conc reg or following FR 213. Formerly FR 211.

Vocabulary building through the reading and discussion of representative French poems, plays, and prose texts. Grammar review.

221 SURVEY OF FRENCH LITERATURE I 3 US-2

FR 220 req.

French literature from the Middle Ages to the 18th century.

222 SURVEY OF FRENCH LITERATURE II 3 US-2

FR 220 req. May be taken before FR 221.

French literature of the 19th and 20th centuries.

**305 INTRODUCTION TO FRENCH
CIVILIZATION 3**

2 courses beyond FR 116 req.

Contemporary French civilization in its historical context: special emphasis on demography, education, political institutions, media, culture in the market place.

309 FRENCH PHONETICS 3

2 courses beyond FR 116 req.

Scientific approach to French pronunciation, correct formation of French sounds, practical application of the theory of phonetics.

310 ADVANCED FRENCH GRAMMAR 3
2 courses beyond FR 116 req. Formerly FRENCH SYNTAX.

Systematic study of the morphology and syntax of the modern French language.

315 SELECTED TOPICS IN FRENCH MEDIEVAL LITERATURE AND CULTURE 3
2 courses beyond FR 116 req. May be repeated if content different. Formerly FR 322.

Medieval French literature, in the original and in modern French translation, in its cultural context.

316 SELECTED TOPICS IN SIXTEENTH-CENTURY FRENCH LITERATURE AND CULTURE 3
2 courses beyond FR 116 req. May be repeated if content different.

The Renaissance as expressed in the leading 16th-century French writers in their cultural context.

317 SELECTED TOPICS IN SEVENTEENTH-CENTURY FRENCH LITERATURE AND CULTURE 3
2 courses beyond FR 116 req. May be repeated if content different. Formerly FR 302.

A study of plays by Corneille, Racine, and Moliere, and selections from other 17th-century writers, in their cultural context.

318 SELECTED TOPICS IN EIGHTEENTH-CENTURY FRENCH LITERATURE AND CULTURE 3
2 courses beyond FR 116 req. May be repeated if content different

Readings of representative literary texts from the Age of Enlightenment in their political, philosophical, and socio-cultural contexts.

319 SELECTED TOPICS IN NINETEENTH-CENTURY FRENCH LITERATURE AND CULTURE 3
2 courses beyond FR 116. May be repeated if content different.

Readings of representative 19th-century literary texts, in their cultural (philosophical, political, social, economic, and historical) contexts.

320 SELECTED TOPICS IN TWENTIETH-CENTURY FRENCH LITERATURE AND CULTURE 3
2 courses beyond FR 116 req. May be repeated if content different.

Modern authors, genres, or movements in 20th-century French literature in their cultural contexts.

385 SELECTED TOPICS IN FRENCH LITERATURE 3
2 courses beyond FR 116. May be repeated if content different.

Intensive study of a genre, group of authors or a single major writer in French literature. This study varies each semester.

395 SENIOR SEMINAR 3 S
Sr standing in the Major req.

Close reading and analysis of literary texts representative of the major genres and literary periods, in their sociohistorical contexts.

German Courses

111 FIRST-YEAR GERMAN (PART I) 4 US-1 F,S
Not rec if student had 3 yrs high school GER. Not for cr if had GER 115 or 116.

Pronunciation, essentials of grammar, reading materials of graded difficulty, oral and written exercises.

112 FIRST-YEAR GERMAN (PART II) 4 US-1 F,S
Not rec if student had 3 years high school GER. Not for cr if had GER 115 or 116.

Continuation of Part I.

115 SECOND-YEAR GERMAN (PART I) 4 US-1 F,S
GER 112 or 2 yrs high school GER req.

Class reading of short stories, plays and essays. Grammar review, oral and written composition.

116 SECOND-YEAR GERMAN (PART II) 4 US-1 F,S
GER 112 or 2 yrs high school GER req.

Continuation of Part I.

211 INTRODUCTION TO GERMAN LITERATURE 3
GER 116 or equiv req.

Readings and analysis of selected short stories, poetry, and other literary forms as first general introduction to German literature.

213 INTERMEDIATE GERMAN COMPOSITION 3
GER 116 or cons dept chair req.

Study of written communication skills in German, vocabulary building, correct phrasing and style, writing strategies, use of dictionaries and reference materials.

214 GERMAN CONVERSATION PRACTICE 3
GER 116 or cons dept chair req.

Improvement of speaking skills, including active vocabulary, idiomatic phraseology, formal and informal discourse, listening comprehension.

216 GERMAN DRAMA 3 US-2
GER 116 or cons dept chair req.

Lectures, reading, and discussion of representative works of outstanding German, Austrian, and Swiss dramatists.

217 GERMAN CULTURE AND CIVILIZATION 3
GER 116 or cons dept chair req.

Overview of German culture from the beginning to World War I, as derived from selected readings and class discussions.

218 GERMANY TODAY 3
GER 116 or cons dept chair req.

The German scene since World War I, as reflected in essays and articles of representative authors. Strongly recommended for teaching majors.

220 GERMAN CULTURE AND LANGUAGE IN THE WORLD OF BUSINESS 3 S
GER 213 req. GER 214 and 218 rec.

Introduces German business concepts and study of business terminology. Analysis of German business practices, customs and organization in terms of a broad cultural context.

222 SURVEY OF GERMAN LITERATURE 3
GER 116 or cons dept chair req.

Reading and discussion of representative works of the most important authors from the early 19th century to the present.

- 302 GOETHE** 3
2 courses beyond GER 116 req.
 Reading and discussion of a number of major works, with emphasis on the drama.
- 303 SCHILLER** 3
2 courses beyond GER 116 req.
 Reading and discussion of a number of major works, with emphasis on the drama.
- 309 GERMAN PHONETICS** 2
2 courses in GER lit req.
 Scientific approach to German pronunciation; correct formation of German sounds, practical application of theory of phonetics to teaching.
- 311 THE GERMAN NOVELLE** 3
2 (200-level) GER courses req.
 Study of selected Novellen from Goethe and the Romantics through Poetic Realism and Naturalism to the 20th century.
- 313 ADVANCED GERMAN COMPOSITION AND CONVERSATION** 2
GER 213 or cons dept chair req.
 Free discussion of topics of contemporary interest; oral and written themes based on class discussions.
- 318 GOETHE'S FAUST** 3
2 courses beyond GER 116 req.
 Critical study of Parts I and II of Faust as an expression of Goethe's philosophy. Lectures, readings, and reports.
- 332 GERMAN LYRIC POETRY** 3
GER 116 or cons dept chair req.
 Reading and interpretation of German lyric poetry from 800 A.D. to the present.
- 385 SELECTED TOPICS IN GERMAN LITERATURE** 3
2 courses in GER lit req. May be repeated if content different.
 Intensive study of a genre, group of authors, or a single major writer in German literature.
- 395 SENIOR SEMINAR** 3 S
Sr standing in the language maj req.
 Close reading and analysis of literary texts representative of the major genres and literary periods, in their sociohistorical contexts.

Greek Courses

- 111 FIRST-YEAR CLASSICAL GREEK (PART I)** 4 US-1
 The Greek alphabet, pronunciation, essentials of grammar, translation of reading material of graded difficulty, exercises in writing Classical Greek, consideration of the Greek element in English.
- 112 FIRST-YEAR CLASSICAL GREEK (PART II)** 4 US-1
 Continuation of Part I.

Italian Courses

- 111 FIRST-YEAR ITALIAN (PART I)** 4 US-1 F
 Pronunciation; essentials of grammar; exercises in comprehending, speaking, and reading material of graded difficulty.

- 112 FIRST-YEAR ITALIAN (PART II)** 4 US-1 S
 Continuation of Part I.
- 115 SECOND-YEAR ITALIAN (PART I)** 4 US-1 F
ITN 112 or cons dept chair req.
 Continued development of aural-oral skills, reading and writing in Italian.

Japanese Courses

- 111 FIRST-YEAR JAPANESE (PART I)** 4 US-1 F
 Introductory Japanese emphasizing listening and speaking skills; concentration on understanding and using simple phrases and vocabulary.
- 112 FIRST-YEAR JAPANESE (PART II)** 4 US-1 S
JPN 111 req.
 Continuation of introductory Japanese emphasizing listening and speaking skills; concentration on understanding and using simple phrases and vocabulary.
- 115 SECOND-YEAR JAPANESE (PART I)** 4
JPN 112 or cons dept chair req.
 Review of basic grammatical patterns, vocabulary building, development of reading and writing abilities.
- 116 SECOND-YEAR JAPANESE (PART II)** 4
JPN 115 or cons dept chair req.
 Continuation of Part I.
- 231 JAPANESE CONVERSATION AND COMPOSITION** 3 F
JPN 116 or cons dept chair req.
 Further development of written and oral skills through guided conversations and compositions on topics from contemporary Japanese civilization.
- 232 ADVANCED JAPANESE READING AND COMPOSITION** 3 S
JPN 231 or cons dept chair req.
 Development of reading fluency and writing proficiency in modern Japanese through study of unadapted texts, including selections from modern fiction.

Latin Courses

- 111 FIRST-YEAR LATIN (PART I)** 4 US-1
 Pronunciation; essentials of grammar; reading graded material; exercises in writing easy Latin; consideration of the Latin element in English.
- 112 FIRST-YEAR LATIN (PART II)** 4 US-1
 Continuation of Part I.
- 115 SECOND-YEAR LATIN (PART I)** 4 US-1
LAT 112 or high school LAT equiv or cons dept chair req. Formerly INTERMEDIATE LATIN.
 Review of Latin fundamentals. Practice in writing simple Latin. Reading beginning with graded Latin selections and progressing to selections from various authors.
- 116 SECOND-YEAR LATIN (PART II)** 4 US-1
LAT 115 or 3 yrs high school LAT or cons dept chair req. Formerly VERGIL.
 Aeneid, Books I-VI: The purpose, sources, merits and fame of the Aeneid, and its references to other classic epics; poetical syntax, figures of speech, prosody, and mythology in the Aeneid.

221 SURVEY OF LATIN LITERATURE I 3 F*LAT 116 or 4 yrs high school LAT or cons dept chair req.*

Reading and discussion of the most important Republican authors from Plautus to Catullus.

222 SURVEY OF LATIN LITERATURE II 3 S*LAT 116 or 4 yrs high school LAT or cons dept chair req.*

Reading and discussion of the most important Imperial authors from Livy to Juvenal.

Russian Courses**110 RUSSIAN CIVILIZATION 3 US-2 S***No Russian req. Formerly SOVIET CIVILIZATION.*

Interdisciplinary introduction to contemporary Russian society.

111 FIRST-YEAR**RUSSIAN (PART I) 4 US-1 F**

Fundamentals of Russian grammar. Emphasis placed on speaking and comprehension, with essentials of reading and writing.

112 FIRST-YEAR**RUSSIAN (PART II) 4 US-1 S**

Continuation of Part I.

115 SECOND-YEAR**RUSSIAN (PART I) 4 US-1 F***RUS 112 or equiv high school Russian req.*

Review of basic grammar and development of intermediate speaking and comprehension skills; emphasis on reading and discussion of original Russian texts.

116 SECOND-YEAR**RUSSIAN (PART II) 4 US-1 S**

Continuation of Part I.

217 RUSSIAN CIVILIZATION 3*RUS 116 req.*

Broad survey of historical and cultural developments of the Soviet Union from the time of Old Rus' to contemporary Moscow.

221 READINGS IN RUSSIAN LITERATURE 3*RUS 116 req.*

Selected short fiction of representative 19th and 20th century Russian authors. Broad exposure to the literature and fundamentals of critical analysis and techniques of reading Russian prose.

222 READINGS IN RUSSIAN LITERATURE 3*RUS 116 req.*

A major Russian novel by a 19th or 20th century author.

231 RUSSIAN CONVERSATION AND COMPOSITION 3*RUS 116 req.*

Written and oral composition; conversation designed to build vocabulary and improve pronunciation.

285 SELECTED TOPICS IN RUSSIAN LITERATURE 3 US-2*No RUS req. May be repeated if content different.*

Intensive study of a genre, group of authors or a single major writer in Russian literature. The field of study will vary each semester.

290 ADVANCED RUSSIAN SYNTAX 3*One 200-level RUS course, jr/sr standing, cons inst req.*

Application of syntactic theories of Russian towards developing advanced skills in reading, directed composition, and translation.

391 SENIOR THESIS IN RUSSIAN STUDIES 3 S*RUS 217 req.*

Directed by one faculty member from FOR and one from an Area Studies field. Topics must be approved prior to registration.

Spanish Courses**111 FIRST-YEAR****SPANISH (PART I) 4 US-1 F,S***Not rec if student had 3 yrs high school SPA. Not for cr if had SPA 115 or 116.*

Fundamentals of grammar. Practice in speaking, understanding, reading and writing Spanish.

112 FIRST-YEAR**SPANISH (PART II) 4 US-1 F,S***Not rec if student had 3 yrs high school SPA. Not for cr if had SPA 115 or 116.*

Continuation of Part I.

115 SECOND-YEAR**SPANISH (PART I) 4 US-1 F,S***SPA 111 and 112 or equiv req.*

Review of Spanish grammar, vocabulary building, oral and written practice.

116 SECOND-YEAR**SPANISH (PART II) 4 US-1 F,S***SPA 115 or equiv req.*

Continuation of Part I. Emphasis on reading and discussion of Spanish short stories with continuing review of grammar.

211 INTRODUCTION TO HISPANIC LITERATURE 3*SPA 116 req.*

Reading and analysis of representative poems, plays and prose texts as first general introduction to Spanish and Spanish-American literature.

217 CIVILIZACION ESPANOLA 3*SPA 116 req.*

Spanish customs and institutions in their historical perspective.

218 CIVILIZACION HISPANOAMERICANA 3*SPA 116 req.*

Cultural life and customs of Spanish-speaking countries in the Americas.

221 SURVEY OF SPANISH LITERATURE I 3 US-2*SPA 211 or cons inst req.*

Reading and discussion of representative writers of Medieval and Renaissance Spain.

222 SURVEY OF SPANISH LITERATURE II 3 US-2*SPA 211 or cons inst req.*

Reading and discussion of representative Spanish writers of the 18th through the 20th centuries.

231 ADVANCED TECHNIQUES IN SPOKEN SPANISH 3*SPA 116 req. Not for cr if have ACTFL speaking score of Advanced.*

Study of oral communication skills in Spanish: conversation, formal reports, persuasion and argumentation, interviewing.

232 ADVANCED GRAMMAR AND COMPOSITION 3 F,S
SPA 116 req. Formerly ADVANCED TECHNIQUES IN WRITTEN SPANISH.

Study of advanced grammar and written composition skills in Spanish, including formal and informal writing, use of dictionaries and reference materials, orthography, and vocabulary building.

242 SURVEY OF SPANISH-AMERICAN LITERATURE 3 US-2
SPA 211 or cons inst req.

Introduction to the works of Spanish-American authors with emphasis on the 19th and 20th centuries.

305 CURRENT TOPICS IN HISPANIC CIVILIZATION AND CULTURE 3
SPA 217 or 218 req. May be repeated if content different.

Recent trends, issues and changes in Spanish-speaking world. Varying topics and pedagogical strategies for teaching culture.

309 INTRODUCTION TO SPANISH LINGUISTICS 3
SPA 232 req.

Principles and methods of objective language analysis applied to relevant issues in Spanish.

310 SPANISH SYNTAX 3
SPA 232 or cons inst req.

Systematic and thorough study of the fundamental points of Spanish grammar and composition.

331 SPANISH-AMERICAN LITERATURE I 3
SPA 221 or 222 or 242 req.

From the colonial period through realism.

335 MEXICAN LITERATURE 2
SPA 221 or 222 or 242 req.

Survey of Mexican literature and its literary background from its beginnings to the present.

336 SELECTED TOPICS IN SPANISH-AMERICAN LITERATURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.

Variable topics providing in-depth study of major authors, works, genres, themes, or movements.

337 SELECTED TOPICS IN MODERN-PENINSULAR SPANISH LITERATURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.

Major authors, genres, or movements from Spanish literature of the 18th, 19th, and 20th centuries.

338 SELECTED TOPICS IN MEDIEVAL-SPANISH LITERATURE AND CULTURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.

Major authors, genres, or periods from Spanish literature of the Middle Ages in their cultural context.

339 SELECTED TOPICS IN SPANISH-GOLDEN AGE LITERATURE AND CULTURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.

Major authors, works, genres, or movements from the Spanish Golden Age (1469-1700) in their historical/cultural context.

372 SPANISH DRAMA OF THE GOLDEN AGE 3
SPA 221 or 222 or 242 req.

Reading and discussion of selected plays from the great dramatists of Spain's Golden Age.

385 SELECTED TOPICS IN SPANISH LITERATURE 3
SPA 221 or 222 or 242 req. May be repeated if content different.

Intensive study of a genre, movement, author or work. This study varies each semester.

395 SENIOR SEMINAR 3 S
Sr standing in the language major req.

Close reading and analysis of literary texts representative of the major genres and literary periods, in their sociohistorical contexts.

GEOGRAPHY-GEOLOGY (GEO)

206 Schroeder Hall, (309) 438-7649

Chairperson: Robert Corbett.

Tenured/Tenure-track Faculty:

Professors: Carter, R. Corbett, Kirchner, Searight, Sublett, Walters. *Associate Professors:* Anderson, Aspbury, Foster, Johnson, Nelson.

Assistant Professors: Barrows, Day, Hammel, Lindquist, Zintambila.

Other Faculty:

Lecturers: Bevenour, Dennison, Meador, Thomas.

Geography Programs

Degrees Offered: B.A., B.S.

MAJOR IN GEOGRAPHY

- 42 hours required. Programs must be planned in consultation with an advisor. Because of the variety of concentrations within the 3 Geography sequences, students are urged to consult with designated departmental faculty members. Names of designated faculty are available in SH 206. Concentrations include: Applied: cartography, planning, geographic information systems, remote sensing; Human: cultural, historical, political, regional, urban, economic; Physical: climatology, environmental, geomorphology. MAT 120 is recommended for Geography majors. MAT 145 is strongly recommended for students planning to be cartographers. It is strongly recommended that all Geography majors complete a second writing course such as ENG 145 or ENG 249.
- Required courses: GEO 100, 135, 150, 204, 300, 315, 398 (4 hrs); 1 course from GEO 215, 220, 230, 240, 245, 250, or 255.
- 1 of the following sequences must be selected:

Applied Geography Sequence: Required courses: GEO 303, 308, 310, and 370. Electives to complete the 42-hour requirement chosen from: GEO 145, 302, 304, 330, 333, 336, 351, 355; MAT 144, 145; and designated Selected Studies, Independent Studies, and Regional and Area Studies courses.

Human Geography Sequence: Required courses: GEO 208, 336, 338, and a second regional course chosen so that the student has at least 1 course from 215, 220, 240, and 245, and 1 course from 230, 250 or 255; Electives to complete the 42-hour requirement chosen from: GEO 145, 205, 210, 303,

304, 308, 310, 333, 345; and designated Selected Studies, Independent Studies, and Regional and Area Studies courses.

Physical Geography Sequence: Required courses: GEO 101, 110, 200, 201, 205. Electives to complete the 42-hour requirement chosen from: GEO 145, 302, 303, 305, 308, 310, 345, 380; AGR 234; BSC 201; CHE 280; ECO 355; GEL 276, 382; and designated Selected Studies, Independent Studies, and Regional and Area Studies courses. Since one focus of this sequence is resource conservation, a minor in Agriculture, Biology, Chemistry, Environmental Health, or Recreation and Park Administration is strongly recommended.

Teacher Certification Sequence:

- 40 hours required. Part of entitlement program leading to certification: secondary 6-12. Student's program must be planned in consultation with an advisor.
- Required courses: C&I 110; GEO 100, 101, 110, 135, 145, 150, 200, 201, 205, 275; 1 course selected from GEO 215, 220, 240, or 245 and 1 course selected from GEO 230, 250 or 255; and GEO 307.
- Selected additional electives in Geography to complete the 40-hour requirement of the Major.

To qualify for certification, the student must complete the Professional Education requirements and the General Education requirements as described in the *Teacher Education Requirements-High School* section of this Catalog.

If a student chooses to focus on Physical Geography/Earth Science, he or she should also certify to teach Biology, Chemistry, Geology, Mathematics, or Physics. If a student chooses to focus on Human Regional Geography, he or she should also certify to teach Anthropology, Economics, History, Political Science, or Sociology.

MAJOR IN SOCIAL SCIENCES

The Major in Social Sciences is administered by the Department of HIS in cooperation with the Departments of ECO; GEO; POS; and SOA. For further information see Social Sciences Programs.

MINOR IN GEOGRAPHY

- 24 hours in Geography required.
- Required courses: GEO 100, 135, 150, 204, and 1 course selected from GEO 215, 220, 225, 230, 240, 245, 250, or 255. Nine hours of electives must be selected from 1 of the following sequences: Applied: GEO 145, 300, 302, 303, 304, 305, 308, 310, 351, or 355. Human: GEO 145, 205, 208, 210, 300, 330, 333, 336, 338, or 370. Physical: GEO 101, 110, 145, 200, 201, 205, 245, GEL 276, 380, 382.

NOTE: Students wishing to minor in Geography are requested to inform the Department of their intention and are invited to discuss their program with an advisor.

MINOR IN GEOGRAPHY

For Teacher Education:

- 24 hours required.
- Required courses: GEO 100, 110, 135, 145, 150, 200; GEO 307 or HIS 290.

Geology Programs

Degrees Offered: B.A., B.S.

MAJOR IN GEOLOGY

- 37 hours in Geology required.
- Required courses: GEO 105, 107, 109, 280, 285, 290, 295, and 395 or an equivalent accredited summer field

course; MAT 144 or competence; PHY 108 and 109 (or 110 and 111); CHE 140 or equivalent, and 141.

- Strongly recommended: BSC 194; MAT 145, 146 (needed to enter graduate programs in Geology); GEO 385.

MINOR IN GEOLOGY

- 22 hours in Geology required.
- Required courses: GEO 105, 107, 109.

NOTE: Students wishing to minor in Geology are requested to inform the Department of their intention and to discuss their program with a Geology advisor.

HONORS IN GEOGRAPHY/GEOLOGY

The Department of Geography/Geology offers honors work to highly qualified students. Students interested in pursuing honors work may obtain further information by contacting the Department chairperson.

Geography Courses

100 EARTH SCIENCE 3 US-3 F,S,Summer
A geographical perspective on the natural environment. Landforms, weather, climate, soils, vegetation.

101 EARTH SCIENCE LABORATORY 1
GEO 100, or 105, or conc reg req.

Practical application of principles of earth science through laboratory experiences emphasizing meteorology, climatology, soils, vegetation, and landforms.

110 WEATHER 3 US-3 F,S,Summer
An introduction to atmospheric science, leading to a better understanding of day-to-day weather and climate.

135 WORLD GEOGRAPHY 3 US-5 F,S,Summer
Regional studies of the peoples, languages, religions, economic activities and settlement patterns of the world.

145 MAPS AND MAP READING 3 F,S
Not for cr if completed GEO 204 or 300.

Fundamental map concepts: scale, coordinates, symbolization, relief, directions. Major map and graph types for visual-spatial analysis and interpretation. Map history.

150 ECONOMIC GEOGRAPHY 3 US-5 F,S
Spatial distribution of a variety of activities related to production, exchange, and consumption of goods and services.

200 CLIMATE: EARTH SCIENCE II 2 S
GEO 110 rec.

Climatic classification, sources of climatic data, world climatic patterns, and climatic effects on natural vegetation and human activities.

201 PHYSICAL GEOGRAPHY: EARTH SCIENCE III 3
GEO 100 or 105 req. GEO 101 rec. Field trips req.

Spatial analysis of selected topics involving the natural environment. Topographic maps and aerial photography used extensively.

204 GEOGRAPHIC TECHNIQUES 3 F,S
GEO 100, 135 and 150 or conc reg req.

Introduction to geographic methodology and techniques with an emphasis on development of skills in analyzing geographical data.

205 CONSERVATION OF NATURAL RESOURCES 3 US-5 F,S
The human impact on the natural environment. Emphasizes soil, wildlife, forest, mineral and fuel, water and air conservation.

- 208 POLITICAL GEOGRAPHY** 3 F
Introduction to the field of political geography. Emphasis on spatial patterns of political activity.
- 210 HISTORICAL GEOGRAPHY** 2 S
Introduction to the field of historical geography with emphasis on analysis and reconstruction of past geographies.
- 215 UNITED STATES** 3 F
Major regions of the United States in terms of contemporary physical, cultural, and natural resource patterns.
- 220 ILLINOIS** 3
Field trips may be included.
Boundaries, physical setting, environment concerns, patterns of human occupation, regional characteristics.
- 230 LATIN AMERICA** 3 US-8 F,S
Regional analysis of the major political units; emphasis on physical, cultural, and economic characteristics.
- 240 EUROPE** 3 F,S
Patterns of occupation and development. Emphasis on the countries of the European Community.
- 245 FORMER SOVIET UNION** 3
Physical resource patterns and their significance to industrial, agricultural land use, general economic, and political development.
- 250 AFRICA** 3 US-8 F,S,Summer
Regional study of Africa. Patterns of society as related to the natural environment.
- 255 ASIA** 3 US-8
Countries, regions, and peoples of Asia. Selected regions, specific localities, and special problems.
- 265 OUR NATIONAL PARKS** 3
Field trips may be included.
National Parks of the United States in terms of physiography, geology, climate, flora, fauna, and scenic qualities.
- 300 CARTOGRAPHY** 3 F
Jr/sr standing req. GEO 204 req. Field trip and drafting supplies req.
Theory and techniques regarding graphic representation of statistical data, including compilation, drafting, and reproduction of various types of thematic maps.
- 300.01 SOCIAL SCIENCE SEMINAR** 3 S
SSC maj, jr standing, and 20 hrs of SSC or cons inst or SSC advisor. Also offered as ANT/ECO/HIS/POS/SOC 300.01.
An intensive interdisciplinary study of a selected area in the social sciences including a research project.
- 302 COMPUTER CARTOGRAPHY** 3 F
GEO 204 req. GEO 300 or conc reg req. 3 hrs computer programming rec.
Application of the computer to contemporary cartography. Packaged software and student-generated programs are used to investigate various spatial problems.
- 303 GEOGRAPHIC INFORMATION SYSTEMS** 3 S
GEO 204 or ACS 155.02 or ACS 150 or conc reg req.
Fundamental principles of geographic information systems; emphasis on raster and vector based systems and their applications to spatial analysis.

- 304 GEOGRAPHIC INFORMATION SYSTEMS APPLICATIONS** 3 F
GEO 303 req; MAT 120 rec.
Advanced applications in geographic information systems (GIS) with an emphasis on problem-solving, advanced GIS analysis techniques and a survey of raster and vector based GIS software and data bases.
- 305 REMOTE SENSING I** 3
GEO 204 req. Field trip req.
Basic principles of image interpretation with photogrammetry. Techniques and measurements in remote sensing.
- 306 REGIONAL AND AREA STUDIES** 1-9
Field work req. Cons inst req.
Intensive on-site study of particular lands, environments, cultures, and peoples.
- 307 TEACHING GEOGRAPHY/ EARTH SCIENCE** 3 F
Teaching maj only. Adm to Teacher Ed req. C or better C&I 216 or PSY 215 or conc reg req. 8 hours of Geography or Geology req. Inc Clin Exp.
Approaches to the teaching of geography and earth science in grades 6-12.
- 308 QUANTITATIVE METHODS IN GEOGRAPHY** 3 F
GEO 204 req; MAT 120 or equiv rec.
Use and interpretation of basic statistical techniques in geographical problems.
- 310 FIELD GEOGRAPHY** 3 F
GEO 204 req; 9 hrs Geography and field work req.
Techniques for the systematic acquisition and interpretation of geographic field data. Includes introduction to Orienteering.
- 315 SEMINAR IN GEOGRAPHY** 2 S
Sr standing; 12 hrs GEO req.
Designed to acquaint the student with career opportunities in geography and the subfields of geography.
- 330 TRANSPORTATION AND LOCATION** 3
GEO 150 or jr/sr standing in ECO or College of Business req. MAT 144 or equiv rec.
Geographic analysis of systems of spatial interaction including influence of transportation on industrial location and regional development.
- 333 LOCATIONAL ANALYSIS** 3 S
GEO 150 or jr/sr standing in ECO or College of Business req. MAT 120 or equiv. rec.
Geographic location theory and spatial analysis applied to problems in retailing, wholesaling, and industrial activities.
- 336 URBAN GEOGRAPHY** 3 F,S
Jr/sr standing req.
Internal morphology, external relationships, and other spatial aspects of cities.
- 338 LIFE AND LANDSCAPE** 3
GEO 135 or cons inst req. Field work req.
Cultural landscapes and folklore in North America and Western Europe.
- 345 PROBLEMS IN CONSERVATION AND OUTDOOR RECREATION** 3
GEO 205 req.
Specific problems in conservation and resource use including outdoor recreational resources.

351 CARTOGRAPHIC PROCESSES 3 S

Drafting supplies and A or B in GEO 300 req. Materials charge optional.

Techniques of design, production and reproduction of maps, including multi-separations, scribing, darkroom techniques and materials, and color proofing.

355 REMOTE SENSING II: IMAGE INTERPRETATION AND ANALYSIS 3

GEO 305 req. Field trip req.

Major spectral bands employed in remote sensing technology. Applications to subfields are studied through manual and digital image analysis.

370 URBAN AND REGIONAL PLANNING 3 S

Jr/sr standing req.

Introduction to the planning process and the major elements used in plan implementation such as zoning regulations, subdivision regulations, and the official map. Field research may be required.

398.01 PROFESSIONAL PRACTICE: INTERNSHIP IN GEOGRAPHY

1-16 Summer

100 hrs, 2.2 GPA, GEO 315, and cons dept chair req. Max 4 hrs cr toward GEO maj, 40 hrs intern/cr hr. Advance arrangements req.

Planned, supervised professional experience in a public or private organization. The experience provides an introduction to a career in geography. May be paid.

Geology Courses

105 INTRODUCTION TO GEOLOGY I 3 US-3 F,S

Origin and types of earth materials; internal and external earth processes and development of landscapes. Equivalent to physical geology.

107 INTRODUCTION TO GEOLOGY II 3 US-3 F,S

GEO 105 or cons inst req. Field trip req.

Origin and evolution of the earth as interpreted from rock sequences, fossils, and geologic maps; emphasis on geologic principles.

109 INTRODUCTORY GEOLOGY LABORATORY 2 F,S

GEO 107 or conc reg req.

Mineral and rock identification, topographic maps and surface features, geologic maps, fossils, geologic interpretations, geologic provinces of North America.

195 INTRODUCTION TO OCEANOGRAPHY 3 US-3 S

General principles of biology, chemistry, geology, and physics as applied to a study of the world's oceans.

275 LIFE OF THE GEOLOGIC PAST 3 US-3 F,S

Not for cr maj.

Origin, classification and evolution of life from early forms to modern types as revealed by the fossil record.

276 ENVIRONMENTAL GEOLOGY 3 S

Recognition of geologic hazards such as earthquakes and floods. Evaluation of geologic resources and the legal and geologic limitation of resource utilization.

278 GEOLOGIC TECHNIQUES 3 F

GEO 105, 107 and 109 req.

Methods, materials, and equipment used in analysis, interpretation, and mapping of earth materials, physical environments, and geologic structures.

280 MINERALOGY 4 F

GEO 105, 109; and CHE 140 req. Lecture and lab.

Crystallography, internal structure, chemistry, recognition and occurrence of minerals.

285 IGNEOUS AND METAMORPHIC PETROLOGY 4 S

GEO 280 req. Lecture and lab. Field trip req.

Description, classification, and origin of igneous and metamorphic rocks.

290 STRUCTURAL GEOLOGY 4 F

GEO 107 and 109 req. MAT 144 rec. Lecture and lab. Field trip req.

Mechanics and processes of deformation of the earth's crust and the resulting structures.

295 SEDIMENTOLOGY 3 F

GEO 107 and 109 req. Lecture and lab. Field trip req.

Origin, transportation, deposition, and diagenesis of sedimentary materials with emphasis on classification of sedimentary rocks.

296 STRATIGRAPHY 3 S

GEO 107 and 109 req. GEO 295 rec. Lecture and lab. Field trip req.

Distribution, correlation and analysis of stratified rocks.

298.20 PROFESSIONAL PRACTICE: COOP/INTERN IN GEOLOGY 1-4 F,S

Max 4 hrs toward B.S. degree in Geology. Cons of inst req.

Planned, supervised, paid or unpaid professional practice in geology or geotechnical field with government or private organization.

360 GROUNDWATER GEOLOGY 3 F

GEO 105, 109; MAT 144 or equiv req. Field trips req.

Groundwater occurrence and movement, aquifer evaluation, field and lab measurements, contamination and other applications.

362 ENGINEERING GEOLOGY 3 S

GEO 105, 109 req. PHY 108; MAT 144 or equiv rec. Field trips req.

Engineering applications of geology, construction problems of geologic origin and their engineering solutions.

364 GEOPHYSICS 3 S

GEO 105, 285, 290; MAT 144; PHY 108; or cons inst req.

Principles of geophysics and systems of measurement which are tools of exploration for geologic resources. Gravity, magnetics, seismic, electrical, well logging, and geothermics.

375 ECONOMIC GEOLOGY OF FOSSIL FUELS 3 F

GEO 107 and 109 req.

Methods of exploration; origin, composition, accumulation, and production of petroleum; composition, classification, and production of coal; world fuel resources.

377 GEOLOGY OF ORE DEPOSITS 3 S

GEO 280 req; GEO 290 rec.

Theory of processes of ore formation, controlling factors of ore localization, with case studies.

380 GEOMORPHOLOGY 3 S*GEO 100 or 105 req. Field trips req.*

Origin, classification, description, and interpretation of landforms.

382 GLACIAL AND QUATERNARY GEOLOGY 3 F*GEO 100 or 105 req. Field trips req.*

Development of glaciers, glacial movements, deposits, and landforms as background for discussion of present landscapes.

384 REGIONAL GEOLOGY OF THE UNITED STATES 3 F*GEO 107 and 109 req.*

Systematic study of the stratigraphy, structural geology, and geomorphology of the United States based on natural geologic regions.

385 INVERTEBRATE PALEONTOLOGY 4 S*GEO 107 and 109 req. BSC 194 rec. Lecture and lab. Field trip req.*

Examination and analysis of major fossil invertebrate phyla; emphasis on groups with paleoecologic and stratigraphic significance.

390 OPTICAL MINERALOGY 4 S*GEO 280 req. Lecture and lab.*

Optical theory and techniques in the use of petrographic microscope, optical identification and minerals using oil immersion and thin-section methods.

395 FIELD GEOLOGY 6 Summer*GEO 280, 285, 290 and 295 req.*

Application of geologic principles to field mapping and interpretation in the Black Hills and Central Rocky Mountains.

HISTORY (HIS)

334 Schroeder Hall, (309) 438-5641**Acting Chairperson:** Mark Plummer.**Tenured/Tenure-track Faculty:***Distinguished Professors:* Freed, Schapsmeier.*Professors:* Beier, Cohen, Davis, Ekberg, Grabill, Holsinger, Holt, Homan, D. MacDonald, Plummer, Rayfield, Sessions, Simms, Wyman.*Associate Professors:* Malone, McBride, Perez.*Assistant Professors:* Abdullah, Bergstrom, Riney-Kehrberg, Soderlund, Tavakoli-Targhi.**Other Faculty:***Instructional Faculty:* Faculty Fellow: Professor: Reitan.*Instructors:* Pierson.*Lecturers:* Ayana, Carroll, Harmon, S. MacDonald, Manahan, Nelson, Westbury.**Administrative/Professional:** Chesebrough, Connors, Drake.

History Programs

Degrees Offered: B.A., B.S.

MAJOR IN HISTORY

Admission to the History Major may be restricted by the lack of available Department resources in times of oversubscription.

- 33 hours in History required.

- Required courses: a minimum of 21 hours at the upper-division level, including 2 courses at the 300-level, 1 of which students must designate as a "capstone" course; 3 hours each in United States, European, and non-Western History. Non-Western courses include HIS 125, 126, 127, 128, 263, 265, 266, 269, 271, 272, 275, 276, 351, 373, 375, 378.

Teacher Certification Sequence:

- 39 hours in HIS required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses: A minimum of 21 hours at the upper-division level, including 2 courses at the 300-level, 1 of which students must designate as a "capstone" course. Distribution requirements are 9 hours of United States History, 9 hours of World History (3 of which must be non-Western; see listing under "Major in History"), and History 290 and 390.
- 8 additional hours must be taken from 1 of the following areas: ECO, GEO, POS, SOC.

MAJOR IN SOCIAL SCIENCES

The Department of History administers to Social Sciences majors by providing advisement, Teacher Education specialists for those interested in that option, and club activities. For specific information about the programs see Social Sciences programs.

MINOR IN HISTORY

- 21 hours in History required.
- Required courses: 12 hours at the upper-division level; 3 hours each in United States, European, and non-Western History (see listing under "Major in History" for non-Western courses).

MINOR IN HISTORY

For Teacher Education:

- Requirements are the same as for History Minor; HIS 290 recommended in addition to required courses.
- Requirements for teacher certification in another major field must be met.

HONORS IN HISTORY

The Department offers honors work in History to highly qualified juniors and seniors who will pursue an individualized program of study. The Honors Program enables the superior student to reinforce guided private study on historical topics of the student's own choosing with seminar-style research. Students interested in participating in the Departmental Honors Program may secure further information by contacting the chairperson of the Department of History. The Department also offers in-course honors work in all its courses for students enrolled in the University Honors Program or in any departmental honors program. In-course honors work is offered at the discretion of the instructor.

SUGGESTED SEQUENCES

The Department has identified several sequences of courses within its general curriculum that are "related" or closely linked in theme, methodology, approach, and/or interpretive analysis. Although no specific courses are required for these sequences, they may be useful in helping students plan their academic programs. Students may wish (but are not required to do so) to take courses which the faculty recommends as a sequence. These sequences and the courses for each are listed below.

- Cultural/Intellectual: 224, 268, 269, 270, 271, 272, 323, 324, 341, 342, 355, 356, 389.
- Social/Economic: 218, 250, 254, 255, 257, 258, 270, 273, 311, 315, 322, 327, 328, 329, 330.
- Political/Institutional: 226, 227, 228, 231, 243, 244, 246, 247, 251, 252, 253, 263, 278, 279, 320, 321, 325, 343, 344, 345, 361, 362.
- Ancient/Early-Modern: 220, 221, 222, 223, 224, 225, 226, 227, 231, 233, 235, 241, 243, 265, 270, 271, 275, 276, 351, 355.

- Modern: 228, 229, 230, 234, 237, 244, 247, 248, 249, 251, 252, 260, 263, 266, 270, 272, 324, 342, 344, 345, 362, 366, 373, 375, 378.

Students are also encouraged to consider other courses which do not naturally fit into these suggested sequences, such as HIS 292, 296, 395, and 398, but are deemed to be integrated courses that contribute to the development of historians.

History Courses

NOTE: The Department attempts to offer its courses in the semesters indicated below. But because of changing faculty availability, which cannot be foreseen before this Catalog is printed, the Department cannot guarantee that a given course will always be taught in a given semester or year. In planning their programs, students are therefore advised to consult departmental faculty and advisors concerning the availability of individual courses.

100 WORLD HISTORY 3 F,S

Overview of historical stages (ecological, agricultural, urban, global) among human communities throughout the world, from Stone to Computer Age.

101 WESTERN CIVILIZATION TO 1500 3 US-2 F,S

Not for cr if had HIS 121 or 123.

Western civilization from its beginnings in the ancient Near East until the Renaissance, emphasizing cultural and political history.

102 MODERN WESTERN CIVILIZATION 3 US-2 F,S

Not for cr if had HIS 124.

Western civilization from the Renaissance to the present, emphasizing cultural and political history.

125 HISTORY OF EAST ASIAN CIVILIZATIONS 3 US-8 F,S

Introduction to the major traditions of China and Japan; emphasis on continuity and change in modern Asia.

126 HISTORIES AND CULTURES OF THE MIDDLE EAST 3 US-8 F,S

Formerly HISTORY OF THE MIDDLE EAST AND AFRICA.

Political, cultural, social, and economic study, with an emphasis on cultural history, ethnicity, gender relations, and the emergence of nation-states.

127 HISTORY OF LATIN AMERICA 3 US-8 F,S

Cultural, economic, political, and social survey of Latin America from pre-Columbian to present times.

128 INTRODUCTION TO AFRICAN HISTORY 3 US-8 F,S

Political, social, cultural and economic survey of Sub-Saharan civilization from pre-historic to modern times.

135 HISTORY OF THE UNITED STATES TO 1865 3 US-2 F,S

Political, economic, social, and cultural developments from the colonial period to the Civil War.

136 HISTORY OF THE UNITED STATES SINCE 1865 3 US-2 F,S

Agrarian and industrial revolutions, development of American institutions, and America as a world power.

137 THE AMERICAN EXPERIENCE 3 US-2 F,S

A 1-semester course in American History emphasizing a theme of special interest. The theme may vary with each semester or instructor.

218 SOCIAL HISTORY OF MODERN EUROPE 3 F,S

European society since the French and Industrial Revolutions with reference to social order, class formation and social relationships under capitalism.

220 ANCIENT HISTORY: GREECE 3 US-2 F

Political and cultural evolution of the Greek World from pre-classical times to the Hellenistic Age.

221 ANCIENT HISTORY: ROME 3 US-2 S

The Roman republic and empire with emphasis on the constitutional evolution of Rome.

222 THE MIDDLE AGES: 395-1100 3 F

Formerly THE MIDDLE AGES I 395-1100.

The disintegration of ancient civilization and the gradual emergence of three successor civilizations: Byzantium, the Muslim World, and Western Europe.

223 THE MIDDLE AGES: 1100-1500 3 S

Formerly THE MIDDLE AGES II 1100-1500.

The climax and decline of medieval civilization.

224 THE RENAISSANCE: EUROPE: 1300-1500 3 F

Political, economic, social, intellectual, cultural transition to early modern Europe; spread of Renaissance from origins in Italy; exploration and discovery.

225 THE REFORMATION: EUROPE: 1500-1600 3 S

Protestant and Catholic reformations in the setting of 16th-century politics, economics, society; intellectual and cultural currents; European expansion.

228 EUROPE IN THE NINETEENTH CENTURY: 1815-1914 3 US-2 F

Liberalism, nationalism, democracy, militarism, imperialism, and the forces that led to World War I.

229 EUROPE IN THE TWENTIETH CENTURY 3 F,S

The origins of the World Wars, Marxism-Leninism, Nazi and Soviet totalitarianism, and the role of Europe in the Cold War.

230 THE CONTEMPORARY WORLD 3 F

Major economic, social, political, and cultural changes since 1945. The Cold War, the revolution in expectations and the emerging concern over depletion of resources and environmental imbalances.

231 ENGLISH HISTORY TO 1688 3 F

Formerly POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND TO 1688.

History of medieval and Tudor-Stuart England to the Revolution of 1688.

232 ENGLISH HISTORY SINCE 1688 3 F

English history from the Glorious Revolution of 1688-89 to the present; political, social, and cultural history are emphasized.

233 HISTORY OF RUSSIA TO 1725 3 F*Formerly HISTORY OF RUSSIA I TO 1725.*

Russian history from earliest times to the 18th century, including political, social, economic, and intellectual developments.

234 HISTORY OF RUSSIA SINCE 1725 3 S*Formerly HISTORY OF RUSSIA II SINCE 1725.*

Russian political, social, economic, and intellectual developments; the Russian Revolution; Russia in the 20th century.

235 FRENCH HISTORY TO THE REVOLUTION 3 US-2 F

French history from the Middle Ages to the French Revolution with emphasis upon French culture, including social, intellectual, and artistic movements.

237 MODERN GERMANY: 1848-PRESENT 3 F

Survey of German social, political, diplomatic, and intellectual history in the 19th and 20th centuries.

241 COLONIAL LIFE AND INSTITUTIONS 3 F

Transfer of European ideas, institutions, and customs to America, and their subsequent development on American soil.

243 THE EARLY NATIONAL PERIOD: 1787-1815 3

Emphasis upon the establishment of a national government; the principles and influence of early federalism and of Jeffersonian democracy.

244 THE AGE OF JACKSON: 1815-1848 3

The awakening of American nationalism as typified by the economic, political, social, and cultural changes of the Jacksonian period.

246 CIVIL WAR AND RECONSTRUCTION: 1848-1877 3 S

Causes and process of secession; problems of the Lincoln and Davis administrations, conduct of the war, and the problems of reconstruction.

247 THE GILDED AGE IN AMERICA: 1877-1900 3 F

Industrialization and responses to industrialism in America; special attention given to business and political leaders, farmers, African-Americans, and writers.

248 UNITED STATES IN THE TWENTIETH CENTURY TO 1933 3 F,S*Formerly UNITED STATES IN THE TWENTIETH CENTURY I.*

Significant aspects of American history from the Populist era to the Great Depression of 1932.

249 UNITED STATES IN THE TWENTIETH CENTURY SINCE 1933 3 F,S*Formerly UNITED STATES IN THE TWENTIETH CENTURY II.*

Significant aspects of American history from the 1930s to contemporary times.

250 HISTORY OF WOMEN IN AMERICA 3 US-2 F,S

The role of women in the economic, social, political, and cultural history of America from the colonial period to the present.

251 HISTORY OF AMERICAN DIPLOMACY TO 1898 3 F*Formerly HISTORY OF AMERICAN DIPLOMACY I: TO 1898.*

The history of the foreign relations of the United States from the American Revolution to 1898.

252 HISTORY OF AMERICAN DIPLOMACY SINCE 1898 3 S*Formerly HISTORY OF AMERICAN DIPLOMACY II: SINCE 1898.*

The history of the foreign relations of the United States since 1898.

253 AMERICAN CONSTITUTIONAL HISTORY 3 F

The history of American constitutional and legal developments from the colonial period to the present.

254 THE TRANS-MISSISSIPPI WEST 3 S

Development of the trans-Mississippi West, exploration to present. Emphasis upon land-human relationships and the roots of environmental concerns.

255 TRANS-APPALACHIAN FRONTIER 3 F*Formerly HISTORY OF THE AMERICAN FRONTIER.*

The westward movement and its influence, including frontier culture and institutions, from the East Coast to the Mississippi Valley.

256 AMERICAN BUSINESS HISTORY 3 F

Industrialization of America; the problems of agriculture, monopoly, and labor; the role of government in regulating and guiding economic activity.

257 AFRICAN-AMERICAN HISTORY TO 1865 3 F*Formerly AFRO-AMERICAN HISTORY I.*

The history of African Americans from Colonial times to the Civil War.

258 AFRICAN-AMERICAN HISTORY SINCE 1865 3 S*Formerly AFRO-AMERICAN HISTORY II.*

The history of African Americans from the Reconstruction period to the present.

259 HISTORY OF ILLINOIS 3 F

A survey of the history of Illinois from the time of the French explorers to the present.

260 HISTORY OF CANADA 3 S

Survey of the history of Canada from the settlement of the French colonists in the 17th century to the present.

263 MODERN MEXICO 3 US-8 F

Survey of Mexican history from the mid-18th century.

265 AFRICAN CIVILIZATION 3 US-8 F

Political, social, cultural, and economic survey of Sub-Saharan African Civilization from about 1000 to about 1884 (the European expansion).

266 MODERN AFRICA 3 US-8 S*HIS 265 rec.*

Political, social, cultural, and economic survey of Modern Africa from the beginnings of European expansion to the present.

268 PEACE HISTORY 3 F

A historical survey of peace reformers, ideas, organizations, institutions, and movements in the Western and non-Western world.

269 HISTORY OF JAPANESE RELIGIONS**3 F**

A study of the development of Japanese Religions from Pre-History to the present.

270 WORLD RELIGIONS/WORLDVIEWS**3**

The great religions of the world, primarily Judaism, Hinduism, Buddhism, Christianity, and Islam; also includes Zoroastrianism, Confucianism, Taoism, Shintoism, primal religion, humanism, Marxism, and civil religion.

271 ISLAMIC CIVILIZATION**3 US-8 F**

Political, social, economic survey of the Middle East from Muhammad to the 19th century, emphasizing origins and achievements of the Islamic age.

272 MODERN MIDDLE EAST**3 S**

Political, social, and economic survey of the Middle East from the 19th century to the present, emphasizing the rise of the modern nation-states.

273 THE IMMIGRANT IN AMERICAN HISTORY**3**

The changing role of immigration in American social, economic, and political history.

274 HISTORY OF MODERN MEDICINE**3**

A survey of the rise of modern medicine from 1500 to the present.

275 HISTORY OF JAPANESE CIVILIZATION**3 US-8**

Topical and chronological examination of Japanese religions, philosophies, art, music, literature, societal values and behavior to 1800.

276 HISTORY OF CHINESE CIVILIZATION**3**

Topical and chronological examination of Chinese religions, art, music, literature, societal values and behavior to 1911.

278 UNITED STATES MILITARY HISTORY**3 F**

U.S. military history in a global context from the colonial period to the present.

279 WORLD WAR II**3 S**

General survey of World War II including military, diplomatic, and cultural concerns.

290 SOCIAL STUDIES TEACHING METHODOLOGY I**3**

C or better in C&I 216 or conc reg req. Exceptions may be made by cons inst. Req for HIS/SSC maj in Teacher Ed programs. Incl Clin Exp.

Special methods and pre-student teaching clinical experiences for History-Social Science Teacher Education students. Includes observation and participation in classroom settings. Must be completed prior to student teaching.

292 CAREERS FOR HISTORY AND SOCIAL SCIENCES MAJORS**1**

Acquaints students with career opportunities and relates History and Social Sciences skills learned to those needed in various career situations. Includes instruction in job placement skills.

294 HONORS THESIS**3 F,S**

Honors students or cons inst.

Directed by a faculty member competent in the thesis field. The History Department shall approve the topic before registration.

296 HISTORIOGRAPHY AND HISTORICAL METHOD**3 F**

Explores the character and discipline of history through the study of representative historians.

300.01 SOCIAL SCIENCE SEMINAR**3 S**

SSC major, jr standing, and 20 hrs of SSC or cons inst or SSC advisor. Also offered as ANT/ECO/GEO/POS/SOC 300.01.

An intensive interdisciplinary study of a selected area in the social sciences including a research project.

306 REGIONAL AND AREA STUDIES**1-9**

Cons inst. Usually given cooperatively with other depts.

Intensive study of particular lands, environments, cultures, and peoples.

311 AGE OF THE AMERICAN REVOLUTION**3**

The emergence of the United States as an independent nation from 1763 to the Constitutional Convention in 1787.

315 SLAVERY AND THE OLD SOUTH**3**

Historiography of slavery and the pre-Civil War South.

320 LINCOLN: THE MAN AND HIS TIMES**3**

Attention directed especially toward the work of Lincoln in Illinois, his leadership during the Civil War, and his relationships with people and events of his time.

321 GREAT FIGURES OF AMERICAN HISTORY**3**

Personalities selected from American history with emphasis on the contributions and lasting influence of significant individuals.

322 AMERICAN URBAN HISTORY**3**

Survey of the history of the American city from 1820 to the present.

323 AMERICAN CULTURAL AND INTELLECTUAL HISTORY: 1620-1860**3**

American progress in the fine arts, philosophy, literature, and science from Puritan times to 1860.

324 AMERICAN CULTURAL AND INTELLECTUAL HISTORY: 1860-PRESENT**3**

The impact of naturalism, industrialization, secularization, and urbanization upon American culture since 1860.

325 PROBLEMS IN TWENTIETH-CENTURY UNITED STATES CONSTITUTIONAL HISTORY**3**

Major problems in American constitutional history since the Progressive Era; civil rights, freedom of speech and religion, federal-state relations.

327 AMERICAN LABOR HISTORY**3**

The Industrial Revolution's impact upon workers, with emphasis on the responses through unions and politics, and on the role of government.

329 RURAL LIFE AND SOCIETY IN THE U.S.: 1800-PRESENT**3 F**

Examines American rural society from 1800 to the present, with emphasis upon the impact of change upon farming communities.

- 330 THE FAMILY IN HISTORY** 3
History of the family in Europe and America, viewing the changes from idealist, economic determinist, family systems, and psychoanalytic perspectives.
- 341 EUROPEAN INTELLECTUAL HISTORY TO 1600** 3
The ideas of the ancient world, Middle Ages, Renaissance, Reformation, examined in a social, political and economic context.
- 342 EUROPEAN INTELLECTUAL HISTORY SINCE 1600** 3
The ideas of the scientific revolution, enlightenment, 19th and 20th centuries, examined in a social, political and economic context.
- 344 MODERN EUROPEAN DIPLOMATIC HISTORY: 1890-PRESENT** 3
The diplomatic history of Europe from the fall of Bismarck in 1890 to the present.
- 345 FRENCH REVOLUTION AND NAPOLEON: 1789-1815** 3
Society, culture and government under the monarchy; destruction of the old order; rise and fall of Napoleonic France.
- 351 ANCIENT NEAR EAST** 3
The civilizations of Mesopotamia and Egypt from the neolithic period to 500 B.C.
- 355 POPULAR CULTURE IN EARLY MODERN EUROPE** 3
History of the culture of the common population of Europe 1400 to 1800: pre-conditions, formation, principal elements, decline of the culture.
- 356 THE ENLIGHTENMENT** 3
Intellectual and social history of the Western world during the 18th century.
- 359 LATE MEDIEVAL AND TUDOR BRITAIN** 3
Formerly 226.
Political, social, cultural, and economic survey of British history from the 14th to the 17th century.
- 360 BRITAIN UNDER THE STUARTS** 3
Formerly 227.
Political, social, cultural, and economic survey of Britain under the Stuarts (1603-1714).
- 361 EIGHTEENTH-CENTURY BRITAIN: 1689-1815** 3
Britain from the Revolution of 1688-89 through the early Industrial Revolution and Napoleonic wars.
- 362 MODERN BRITAIN: 1815-PRESENT** 3
A general survey of British history in the 19th and 20th centuries.
- 366 SOVIET RUSSIA: 1917-PRESENT** 3
An evaluation of the origins and rise of Bolshevik power, concentrating on economic, cultural, and social developments.
- 373 HISTORY OF MODERN CHINA** 3
Concentrates on the Western and Chinese collision since the 1800's and the responses of traditional, national, and contemporary China to modernization.

- 375 HISTORY OF MODERN JAPAN** 3
Concentrates on Japan's modernization, goals of Meiji leaders, contradictory tendencies of pre-war Japan, and contemporary Japan.

- 378 ISLAM** 3
In-depth study of Islam, focusing on ideas rather than events. Topics include law, mysticism, art, and resurgent Islam.

- 390 SOCIAL STUDIES TEACHING METHODOLOGY II** 3
C or better in HIS 290 and C&I 216 or conc reg req. Incl Clin Exp. Adm. to Teacher Ed req.

Social studies project materials, use of instructional models, and clinical experiences. Must be completed prior to student teaching.

- 394 ORAL HISTORY** 3
Study and use of oral history as a research tool, and its application as a research technique.

- 395 ARCHIVES AND MANUSCRIPTS** 3
Nature, acquisition, processing and use of archives and manuscripts. Emphasis on theory and principles with practical exercises.

- 398 PROFESSIONAL PRACTICE: INTERNSHIP IN HISTORY** 1-16 F,S
75 hrs; 2.6 GPA in HIS courses; completion of all application procedures; cons HIS Prof Pract Coord. Max 6 hrs toward HIS maj.

Planned, supervised experience in a professional capacity in archives, business, government, historical archaeology, historical preservation, historical editing and publishing, historical societies, museums, or other application of history.

MATHEMATICS (MAT)

313 Stevenson Hall, (309) 438-8781

Chairperson: Roger Eggleton.

Tenured/Tenure-track Faculty:

Distinguished Professor: Dossey, Thornton.

Professors: Berk, Eggleton, Friedberg, Insel, Otto, Plantholt, Sennott, Shilgalis, Spence, Swafford, C. Vanden Eynden.

Associate Professors: Edge, Hathway, Jinadasa, Marsalli, Tipnis.

Assistant Professors: Banks, Behr, Day, El-Zanati, Hersherberger, Hirshhorn, Jacobs, Langrall, Lubinski, Parr, Rich.

Other Faculty:

Instructional Faculty: Lecturers: Baumgardner, Benson, Bohn, Bye, Byers, Colba, Copley, Fuller, Jaberg, Janssen, McGehe, Mersch, Parsons, Miller, Oberhardt, J. Vanden Eynden, Vijithakumara, Warfield, Young.

Faculty Fellow: Associate Professor: Brown.

Visiting Faculty: Professor: Jones.

Administrative/Professional: Crow, Rogers.

Mathematics Programs

Degrees Offered: B.A., B.S.

Career Information: Career needs in a wide variety of vocations are met by the diverse course offerings in the Mathematics Department. These include vocations in secondary teaching, business management, and actuarial science; vocations that involve research or applications of Mathematics in business, government, and industry; and vocations involving research or

applications of Mathematics in the physical and social sciences. The needs of those preparing for continued study and research in Mathematics are met also by the departmental offerings. The undergraduate degree programs are designed to be sufficiently flexible to meet career aspirations, to allow for individual exploration in various areas of interest, and also to permit suitable breadth for a liberal education.

Students are urged to consult with the Mathematics Undergraduate Director or Mathematics faculty in planning their programs. Information on careers in Mathematics can be secured from the Mathematics Undergraduate Director in Stevenson 313G and from the Mathematics Career Center in Stevenson 330.

Students interested in meeting the requirements for certification to teach secondary school Mathematics must consult with a Mathematics Education advisor to design a special program of studies.

Students preparing for a specific career are advised to include courses from one of the following lists. The courses with an **asterisk** should be among those selected. Those wishing a major or minor in Mathematics should select additional courses from the list as well. (Note that some courses in the following lists may not count toward major or minor requirements.):

Business Management: 164, 166, 260, 337, 340, 350*, 351*, 353, 356, 360, 362*, 363, 368*, 370, 378.

Secondary Teaching: 166, 210, 211*, 236*, 247, 260*, 320, 321, 323*, 324*, 326*, 330*, 336, 347, 350*, 362, 378.

Business, Government, and Industry: 164*, 166, 260, 337, 340*, 341, 345, 349, 350*, 351*, 353, 356*, 360, 362, 363, 368, 370, 378.

Applications or Research in Physical Sciences: 164, 166, 236, 336, 337, 340*, 341*, 345*, 349*, 350, 368, 370, 378.

Applications or Research in Social Sciences: 164, 166, 260, 337, 340, 350*, 351*, 356*, 360, 362, 363, 368, 378.

Graduate Study and Research in Mathematics: 164, 166, 210, 236*, 247, 330, 336*, 337*, 340, 341, 345, 347*, 349*, 350, 351, 360, 368, 370, 378.

Admission Requirements for Majors: New freshmen with 4 years of high school Mathematics may declare a major in the Department of Mathematics. External or internal transfer students may be admitted into a major if the following requirements are met: (a) at least 1 semester of college calculus with a grade of "C" or better and (b) a Mathematics GPA of: 2.2 for less than 60 hours of college credit earned, 2.1 for 60 to 89 hours of credit, and 2.0 for 90 or more hours of credit.

The term **Mathematics GPA** used above and throughout this Catalog means a GPA computed using all college Mathematics courses that are eligible for credit toward the major. Departmental requirements for admission to the University Teacher Education Program include a minimum Mathematics GPA of 2.2, a cumulative GPA of 2.5 and a positive recommendation from the Teacher Education Committee.

Graduation GPA Requirement for Majors: The minimum graduation GPA in the Major is 2.0 for a Mathematics Major and 2.2 for a Mathematics Education Major. These grade point averages are computed using the following courses taken at Illinois State: the required English and computer programming courses and all Mathematics courses that are eligible for credit toward the Major.

Notes on Mathematics Programs: The following courses may not be used to satisfy requirements for a major or minor: MAT 105, 108, 119, 120, 121, 151, 152, 160, 201, 202, 204, 205, 280, 298, 298.50, 302, 304, 305, 306, 309, 311, 312, 314, 315, 385.

Students who have taken calculus in high school may request to take a Calculus Proficiency Test. If proficiency credit is granted, students may begin their Mathematics courses with MAT 146 or a higher-level course.

To ensure proper placement, transfer students should consult with an advisor prior to registration for classes. A maximum of 4 hours credit may be given toward a major or minor for acceptable precalculus courses based upon advanced placement or transfer.

MAJOR IN MATHEMATICS

- A minimum of 42 hours in Mathematics required.
- Required courses: MAT 145, 146, 147, 175, 247, 260, 350; ENG 145 or 249 or equivalent.
- 1 computer programming course from MAT 164, 166; ACS 164, 166, 168. (**NOTE:** Hours taken in ACS do not count toward the required 42 hours in MAT.)
- At least 1 course chosen from MAT 236, 330, 337, 347, 363.
- 2 course-pairs from the following groups. These course-pairs must be selected from different groups:
 - Algebra group: (MAT 236, 336), (MAT 236, 337).
 - Analysis group: (MAT 247, 345), (MAT 247, 347), (MAT 247, 349), (MAT 340, 341).
 - Discrete group: (MAT 260, 360), (MAT 260, 362), (MAT 260, 363).
 - Numerical Analysis group: (MAT 368, 370).
 - Statistics group: (MAT 350, 351), (MAT 350, 378).
- Submission of senior portfolio (see advisor).

Suggested Mathematics Schedules for Majors:

- a. Schedule beginning with Calculus I: First four semesters - MAT 145, 146, 147, 175; semester five - MAT 247 and 260; two mathematics courses per semester thereafter.
- b. Enhanced schedule (honors students, students preparing for graduate school): First two semesters - MAT 145, 146; semester three - MAT 147, 175; semester four - MAT 247, 260; two or more Mathematics courses per semester thereafter.
- c. Schedule beginning with Precalculus: First three semesters - MAT 144, 145, 146; semester four - MAT 147, 175; semester five - MAT 247, 260; two Mathematics courses per semester thereafter.

Teacher Certification Sequence:

(This Sequence of the Major is part of the entitlement program leading to high school certification and/or high school and junior high school endorsement.)

- A minimum of 40 hours in Mathematics is required.
- Required courses: MAT 145, 146, 147, 175, 211, 236, 260, 323, 324, 350; ENG 145 or 249 or equivalent. (Note: MAT 211 and C&I 216 or equivalent, and MAT 236 (or conc reg) are prerequisites for MAT 323. MAT 323 must be completed before the student teaching experience.)
- 1 computer programming course from MAT 164, 166; ACS 164, 166, 168. (**NOTE:** Hours taken in ACS do not count toward the required 40 hours in MAT.)
- 1 additional course must be chosen: MAT 247 or 1 of those 300-level courses available for maj/min credit.
- Students are encouraged to take electives from the list of Secondary Teaching courses above.
- Interested students should consult their advisor about opportunities for tutoring secondary school students, serving as a teaching assistant, or other relevant voluntary clinical experiences.

- Professional Education Requirements: PSY 215; C&I 214, 215, 216; EAF 228 or 231 or 235; Student Teaching 399.
- Submission of senior portfolio (see advisor).

Suggested Mathematics Schedules for Teacher Certification Sequence Majors:

- Schedule beginning with Calculus I: First four semesters - MAT 145, 146, 147, 175; semester five - MAT 211, 260; semester six - MAT 236, 350 or Mathematics elective; semester seven - MAT 323, 350 or Mathematics elective; semester eight - MAT 324, student teaching.
- Enhanced schedule (honors students, students preparing for graduate school): First two semesters - MAT 145, 146; semester three - MAT 147, 175; semester four - MAT 211, 260; semesters five, six, seven, eight - remainder of schedule from part "a" (above), plus additional Mathematics courses.
- Schedule beginning with Precalculus: First three semesters - MAT 144, 145, 146; semester four - MAT 147, 175; semesters five, six, seven, eight - remainder of schedule from part "a" (above).

MINOR IN MATHEMATICS

- 24 hours in Mathematics required.
- Required courses: MAT 145, 146, 147 or 260, 175.
- At least 8 hours chosen from MAT 236, 247, 260, 330, 334, 336, 337, 340, 341, 345, 347, 349, 350, 351, 360, 361, 362, 363, 368, 370, 378.

MINOR IN MATHEMATICS

For Teacher Education:

- Required courses: MAT 145, 146, 147, 175, 211, 236, and 323. (Note: MAT 211 and C&I 216 or the equivalent, and MAT 236 (or concurrent registration) are prerequisites for MAT 323.)
- Students should consult an advisor. One additional Mathematics elective is required to satisfy certification.

Concentration in Actuarial Science: Actuaries work in the insurance industry or as consultants dealing with the risk of potential financial losses. A Mathematics major provides necessary content preparation for an actuarial career since the professional exams in this field require the content of 100- through 300-level Mathematics courses.

Students should obtain knowledge of career-related business topics by taking ECO 101, 102 and ACC 131, 132. It is recommended that students prepare for and take Society of Actuaries Course 100 and 110 Exams before graduation.

Students may prepare for the first 6 course exams by taking Mathematics courses from the following lists:

- Course 100: 145, 146, 147, 175, 385.01
- Course 110: 350, 351, 385.02
- Course 120: 353, 356
- Course 130: 362, 386
- Course 135: 370
- Course 140: 280

Further information on careers in Actuarial Science can be obtained from the Mathematics Undergraduate Director in Stevenson 313G.

HONORS IN MATHEMATICS AND MATHEMATICS EDUCATION

The Department offers an honors program for majors emphasizing a broad liberal arts program with requirements

in Mathematics and University Studies. Students interested in participating in departmental honors programs may secure further information by contacting the Director of the Mathematics or the Mathematics Education Honors Program. The Department also offers in-course honors for students enrolled in the University Honors Program.

COOP/Internship in Mathematics: The Department offers a cooperative education/internship program for undergraduate Mathematics majors which provides for practical work experience in business, government, or industry. Students interested in participating in the program may secure further information by contacting the Mathematics Cooperative Education/Internship Coordinator.

Mathematics Courses

- A year of high school geometry and a second year of high school algebra are highly recommended for anyone who wants to take Mathematics courses.
- Students may not enroll in a course which is prerequisite to a course that has been completed with a grade of "C" or better.

102 BASIC ALGEBRA 4 F,S

Does not count toward graduation. CR/NC only.
Introduction to the basic concepts of elementary algebra.

104 INTERMEDIATE ALGEBRA 3 F,S

Placement test or cr in MAT 102 req. Does not count toward graduation. CR/NC only. Not for cr if had MAT 107. Scientific calculator required. Meets 5 days a week.

Intermediate course between one year of high school algebra and college algebra.

105 ELEMENTARY APPLICATIONS OF MATHEMATICS 3 US-4 F,S

1 yr high school algebra req. Not for cr maj/min or if had MAT 120. Not intended as preparation for any other MAT course. Scientific calculator req. Formerly APPLICATIONS OF ELEMENTARY MATHEMATICS.

Problems in physical, biological and social sciences, business, politics, games and other fields solved by algebra, geometry, linear programming, probability, etc.

108 TRIGONOMETRY 2 F,S

Placement test or C or better in MAT 119 req; (MAT 107 past Catalogs). Not for cr maj/min or if had MAT 109. Scientific calculator req.

119 COLLEGE ALGEBRA 3 F,S

Placement test or cr in MAT 104 req. Not for cr maj/min or if had MAT 107. Scientific calculator req. Meets 5 days a week.

Functions, relations and inverses with emphasis on polynomial, rational, exponential and logarithmic functions. Algebra of polynomials. Solving quadratic, exponential and logarithmic equations. Solving quadratic, rational and absolute value inequalities.

120 FINITE MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES 4 US-4 F,S

Placement test or C or better in MAT 119 req; (MAT 107 past Catalogs). Not for cr maj/min. Scientific calculator req.

Linear functions, matrices, systems of linear equations, linear programming, probability, statistics, and difference equations with applications.

- 121 INTRODUCTION TO CALCULUS FOR BUSINESS AND SOCIAL SCIENCES** 4 US-4 F,S
MAT 120 and either placement test or C or better in MAT 119 req; (MAT 107 past Catalogs). Not for cr maj/min. Scientific calculator req.
Non-linear functions, intuitive differential and integral calculus, applications.
- 144 PRECALCULUS** 4 F,S
Placement test or C or better in both MAT 108 and MAT 119 req; (MAT 107 past Catalogs). Scientific calculator req. Formerly MAT 110, COLLEGE ALGEBRA WITH TRIGONOMETRY.
Polynomial, absolute value, rational, exponential, logarithmic and trigonometric functions and their graphs. Properties of trigonometric and inverse trigonometric functions and their applications. Conics, translation and rotation of axes.
- 145 CALCULUS I** 4 US-4 F,S
Placement test or C or better in MAT 144 req. (MAT 110 past Catalogs.) Scientific calculator req.
Differentiation with associated applications. Curve sketching. Introduction to integration with applications.
- 146 CALCULUS II** 4 US-4 F,S
C or better in MAT 145 req.
Calculus of the transcendental functions. Techniques of integration, L'Hospital's rule, improper integrals, applications, infinite series and Taylor's Theorem. Conic sections.
- 147 CALCULUS III** 4 F,S
C or better in MAT 146 req.
Polar coordinates and parametric equations in the plane with applications. Vector curves and surfaces in space. Partial derivatives, gradients, directional derivatives, and tangent planes. Multiple integration and line integrals.
- 151 STRUCTURE OF NUMBER SYSTEMS I** 3 US-4 F,S
Basic skills competency req. Not for cr maj/min. Materials charge optional.
Properties of whole numbers and rational numbers, including the four basic operations. Elementary set theory, number theory, problem solving and use of calculators.
- 152 STRUCTURE OF NUMBER SYSTEMS II** 3 F,S
C or better in MAT 151 req. Not for cr maj/min.
Continuation of MAT 151. Concepts and structure of real numbers. Number theory, probability, statistics, geometry, measurement, and algebra.
- 160 ELEMENTARY DISCRETE MATHEMATICS** 4 F,S
MAT 120, or 144 (MAT 110 past Catalogs), or placement test. Not for cr maj/min.
Elementary introduction to discrete mathematics, comprising topics relevant to computer science. Logic, algorithms, recursion, enumeration, relations, graph theory (including trees).
- 164 INTRODUCTION TO FORTRAN PROGRAMMING** 3 US-4 F,S
C or better in MAT 119 (MAT 107 past Catalogs) or high school equiv req. Also offered as ACS 164. Compucard charge optional.
An introduction to programming using the FORTRAN language including built-in functions, subprograms, and sequential and direct access file processing.
- 166 SCIENTIFIC PASCAL** 3 US-4 F,S
C or better in MAT 144 (MAT 110 past Catalogs) or equiv req. Not for cr ACS maj/min. Also offered as ACS 166. Compucard charge optional.
Introduction to the Pascal programming language; emphasis on techniques for problem-solving, algorithmic development, program construction, and mathematical applications.
- 175 ELEMENTARY LINEAR ALGEBRA** 4 F,S
C or better in MAT 146 req; MAT 147 rec. Formerly LINEAR ALGEBRA.
Vector geometry, matrices, systems of linear equations, vector spaces, linear transformations, eigenvalues and eigenvectors, diagonalization, applications to the physical and social sciences.
- 201 MATHEMATICS FOR THE ELEMENTARY SCHOOL CHILD** 3 F,S
C or better in MAT 152 or 202 req. Completion of 90 hrs for El Ed maj or completion of 60 hrs for SED maj req. Not for cr maj/min or if had C&I 252. May Incl Clin Exp. Materials charge optional.
Background for meaningful teaching of number, numeration, basic facts, algorithms, and geometric concepts. Special emphasis on planning instruction for children at the K-6 level.
- 202 MATHEMATICS FOR THE MATH 5-8 SPECIALIST** 3 F,S
C or better in MAT 151 req. Not for cr maj/min. Graphing calculator req. Formerly MATHEMATICS FOR THE JUNIOR HIGH SCHOOL. Materials charge optional.
Background for teaching algebra topics in the junior high school curriculum.
- 204 GEOMETRY FOR K-8 TEACHERS** 3 F,S
C or better in MAT 152 or 202, or conc reg req. Not for cr maj/min. May Incl Clin Exp. Formerly GEOMETRY FOR ELEMENTARY AND JUNIOR HIGH SCHOOL TEACHERS. Materials charge optional.
Geometry relevant to grades K-8. Informal proof, congruence, parallelism, similarity, transformational geometry, measurement, and constructions.
- 205 MODERN ALGEBRA FOR K-8 TEACHERS** 3 F,S
C or better in MAT 152 or 202 req. Not for cr maj/min. Formerly MODERN ALGEBRA FOR ELEMENTARY TEACHERS. Materials charge optional.
Algebraic concepts and structures relevant to grades K-8. Structure of familiar number systems compared to and contrasted with other mathematical systems.
- 210 SYMBOLIC LOGIC I** 3 US-4 F,S
1 yr each high school algebra and high school geometry req. Also offered as PHI 210.
Introduction to proof theory. Formal deductive systems, especially propositional logic and predicate logic. Properties of deductive systems, such as consistency and completeness.
- 211 EUCLIDEAN AND NON-EUCLIDEAN GEOMETRY** 4 F,S
C or better in MAT 175 or conc reg req.
Inductive and deductive study of Euclidean geometry; includes transformations, tessellations, polyhedra, classical theorems, introduction to non-Euclidean geometry.
- 212 SYMBOLIC LOGIC II** 3 S
MAT/PHI 210 req. Also offered as PHI 212.
Study of axiomatic systems of various kinds; some set theory; proof theory and meta-theory.

236 ELEMENTARY ABSTRACT

ALGEBRA 4 F,S
C or better in MAT 175 req. Formerly INTRODUCTION TO ABSTRACT ALGEBRA I.

Introduction to rings, integral domains, and fields including the ring of integers, the fields of real and complex numbers, quotient rings, polynomial rings, homomorphisms, and ideals.

247 ELEMENTARY REAL ANALYSIS 3 F,S

C or better in MAT 147 and 175 req.

Careful examination of the theory of calculus through the study of properties of the real line.

260 DISCRETE MATHEMATICS 4 F,S

C or better in MAT 175 req. Not for cr if had MAT 363.

Counting problems, generating functions, recurrence relations, inclusion-exclusion, graphs, matching and covering, pigeonhole principle, applications.

280 THEORY OF INTEREST 3

MAT 146 req. Not for cr maj/min.

Measurement of interest, annuities certain, amortization schedules and sinking funds, bonds and related securities, installment loans, depreciation methods.

**298 PROFESSIONAL PRACTICE:
INTERNSHIP IN
MATHEMATICS**

2-4 F,S,Summer

MAT 175 plus 2 approved courses in MAT beyond 175, 2.75 overall GPA and 3.0 dept GPA. May be repeated; max 8 hrs. No cr maj/min. Admissions approved by dept chair. CR/NC only.

Practical experience through professionally-oriented work in business, government, or industry. One credit per month of full-time employment.

**302 METHODS OF TEACHING
MATHEMATICS IN**

GRADES 5-8 3 F,S

C or better in MAT 152, 202, 204, or 312 req. Not for cr maj/min. May Incl Clin Exp. Formerly METHODS OF TEACHING MATHEMATICS IN THE JUNIOR HIGH SCHOOL. Materials charge optional.

Problems, viewpoints and trends in teaching junior high school mathematics. Implications of research related to organization, content, and techniques for teaching mathematics in this field.

**304 ADVANCED TOPICS IN
GEOMETRY AND MEASUREMENT
FOR K-8 TEACHERS**

3

C or better in MAT 202 req. Not for cr maj/min. Graphing calculator req. Formerly ADVANCED TOPICS IN GEOMETRY AND MEASUREMENTS FOR ELEMENTARY AND JUNIOR AND HIGH SCHOOL TEACHERS. Materials charge optional.

Geometry and measurement topics related to the elementary and junior high school curricula.

**305 ADVANCED TOPICS IN
ALGEBRA FOR K-8 TEACHERS**

3

C or better in MAT 202 req. Not for cr maj/min. Graphing calculator req. Formerly ADVANCED TOPICS IN ALGEBRA FOR ELEMENTARY AND JUNIOR HIGH SCHOOL TEACHERS. Materials charge optional.

Algebra and counting topics related to elementary and junior high school curricula.

**306 TEACHING K-8 MATHEMATICS
WITH CALCULATORS AND
COMPUTERS**

3 S

C or better in MAT 152 or 202 req. Not for cr maj/min. May Incl Clin Exp. Graphing calculator req. Materials charge optional.

Techniques for using calculators and microcomputers for mathematical concept and skill development and discovery of mathematics generalizations in the elementary and junior high schools.

309 PROBLEM SOLVING

IN GRADES K-8

3 F,S

C or better in MAT 204 or 205 req. Not for cr maj/min. Graphing calculator req. Formerly PROBLEM SOLVING IN THE ELEMENTARY AND JUNIOR HIGH SCHOOL. Materials charge optional.

Formulation, solution, and extension of problems from various areas of mathematics. Emphasis on inductive, deductive, and inferential reasoning and on solution processes and strategies.

**311 LOGO IN GRADES K-8
MATHEMATICS**

3 F

C or better in MAT 152 or 202; C or better in 204 req. Not for cr maj/min. Formerly LOGO IN MATHEMATICS. Materials charge optional.

Using the programming language Logo to investigate Mathematical concepts.

**312 PROBABILITY AND STATISTICS
FOR K-8 TEACHERS**

3 F,S

C or better in MAT 204 or 205 or cons inst req. Not for cr maj/min. May Incl Clin Exp. Graphing calculator req. Formerly PROBABILITY AND STATISTICS FOR MIDDLE SCHOOL TEACHERS.

Discrete probability distributions, including binomial and hypergeometric, counting techniques, simulation; descriptive statistics, hypothesis testing, and methods of communicating such concepts.

**314 CONCEPTS OF CALCULUS
FOR K-8 TEACHERS**

3 S

C or better in MAT 309 or cons inst req. Not for cr maj/min. Graphing calculator req. Formerly CONCEPTS OF CALCULUS FOR MIDDLE SCHOOL TEACHERS.

Concepts of differential and integral calculus, including limits, sequences, and transcendental functions. Emphasis on the role of calculus in Mathematics and problem-solving.

**315 MATHEMATICAL MODELING
FOR MIDDLE SCHOOL TEACHERS**

3 F

C or better in MAT 309 and 312 req. Not for cr maj/min. Graphing calculator req.

Mathematical modeling and problem solving with applications involving networks and communication systems, finance, locating positions on the surface of the earth and biology.

320 HISTORY OF MATHEMATICS TO 1600

2

MAT 145 rec.

Emphasis on Greek geometry, and growth of algebra and algebraic notation from early Mesopotamia through Renaissance.

**321 HISTORY OF MATHEMATICS
1600-PRESENT**

2

C or better in MAT 147 req.

Development of modern Mathematics (analysis, algebra, geometry) and the people in the forefront, beginning with Descartes. Emphasis on the 19th century.

- 323 MATHEMATICS FOR THE SECONDARY SCHOOL** 3 F
C or better in MAT 211; MAT 236 or conc reg; C&I 216; and at least a 2.2 MAT GPA req. Incl Clin Exp. Adm to Teacher Ed req.
 Problems in selection, placement, and teaching of secondary mathematics topics. Language and symbolism. Analysis of recent trends and practices.
- 324 SEMINARS FOR STUDENT TEACHERS OF MATHEMATICS** 3 S
C or better in MAT 323 and conc reg or completion of student teaching in MAT req. May Incl Clin Exp.
 Examination of specific methods and materials for teaching General Mathematics, Algebra I, and Geometry. Specific emphasis given to student study of recent research and curricular recommendations.
- 326 COMPUTER-EXTENDED MATHEMATICS FOR SECONDARY SCHOOLS** 3 F
C or better in MAT 175 req.
 Integrating computers and calculators in the secondary Mathematics curriculum.
- 330 NUMBER THEORY** 3 F,S
C or better in MAT 175 req.
 Divisibility, primes, unique factorization, numerical functions, congruences, Diophantine equations, other topics.
- 336 ADVANCED ABSTRACT ALGEBRA** 3 S
C or better in MAT 175 req. MAT 236 rec. Formerly INTRODUCTION TO ABSTRACT ALGEBRA II.
 Introduction to groups, including permutation, symmetry and matrix groups, homomorphisms, normality, quotient groups, applications.
- 337 ADVANCED LINEAR ALGEBRA** 4 F
C or better in MAT 175 and sr standing req. Formerly LINEAR ALGEBRA.
 Abstract vector spaces, linear transformations and matrices, inner product spaces, eigenvalues and eigenvectors, diagonalization. Applications to geometry, the physical and social sciences.
- 340 DIFFERENTIAL EQUATIONS I** 3 F,S
C or better in MAT 147; MAT 175 or conc reg; and FORTRAN, Pascal, PL/I or approved programming language req.
 First-order differential equations, linear differential equations, systems of differential equations, applications of differential equations, numerical solutions.
- 341 DIFFERENTIAL EQUATIONS II** 3 S
C or better in MAT 175 and 340 req.
 Power series solutions, Laplace transforms, Fourier series, boundary-value problems, introduction to partial differential equations (Laplace, heat, and wave equations).
- 345 ADVANCED CALCULUS** 4 F
C or better in MAT 147 and 175 req.
 Calculus of functions of several variables, Taylor's series of several variables, maxima and minima, Lagrange multipliers, inverse and implicit function theorems, multiple integration, line integrals, Green's, Stokes', and the divergence theorems.
- 347 ADVANCED REAL ANALYSIS** 4 S
C or better in MAT 336 or 337 or cons inst req. Formerly INTRODUCTION TO REAL ANALYSIS I.
 The real number system, topology of metric spaces, sequences, continuous functions, uniform convergence, differentiation, Taylor's Theorem, Riemann integration, the fundamental theorem of calculus, infinite series, power-series.
- 349 COMPLEX ANALYSIS** 3
C or better in MAT 147 req.
 Analytic function theory, complex plane, differentiability and analyticity, Cauchy's theorem. Taylor series and Laurent series. The theory of residues.
- 350 MATHEMATICAL STATISTICS I** 4 F,S
C or better in MAT 147 req.
 Sample spaces, probability, random variables, probability density functions, moment generating functions, empirical distributions, sampling distribution theory, confidence intervals, maximum likelihood estimation, applications.
- 351 MATHEMATICAL STATISTICS II** 4 F,S
C or better in MAT 147 and 350 req.
 Chi-square, F, t, and bivariate normal distributions, Central Limit Theorem, goodness-of-fit tests, correlation and regression, analysis of variance, randomized block designs, non-parametric methods.
- 353 THE ANALYSIS OF TIME SERIES** 3 F
ECO 331 or MAT 350 or cons inst. Also offered as ECO 353.
 Theory and application of time series methods with reference to business and economic time series. Topics include classical decomposition methods, Box-Jenkins methods, spectral analysis, and robust methods. Practical application is obtained through mainframe and microcomputer statistical packages.
- 356 STATISTICAL COMPUTING** 4
C or better in 2 stats courses; some facility with matrices req.
 Application of SAS, SPSS, and BMDP programs to real data emphasizing regression, analysis of variance.
- 360 COMBINATORIAL COMPUTING** 4
C or better in MAT 175 or 260, and FORTRAN, Pascal, PL/I or approved programming language req.
 Listing and ranking algorithms for permutations, recurrence relations, generating functions, graph theory, optimization, Polya's Theorem.
- 361 TOPICS IN DISCRETE MATHEMATICS** 2-4
MAT 175 req. Each topic may be taken once.
 Study of selected areas of discrete mathematics. Topic 361.05 CODING THEORY. Consult the Class Registration Directory for the topics to be offered and the hours of credit to be earned during any given semester.
- 362 LINEAR PROGRAMMING** 2-4 F
C or better in MAT 175 and FORTRAN, Pascal, PL/I or approved programming language req.
 Modeling and solution of problems using the simplex method. Duality, sensitivity, integer programming. Transportation problems.
- 363 GRAPH THEORY** 2-4
C or better in MAT 175 or 260, and FORTRAN, Pascal, PL/I or approved programming language req.
 Introduction to graph theory, connectivity, matching, coloring, network flows with applications to communication reliability, scheduling, and traffic flow problems.
- 368 NUMERICAL MATRIX METHODS** 3 F
C or better in MAT 175 and FORTRAN, Pascal, PL/I or approved programming language req.
 Computational theory of matrices, matrix operations, inversion, solution to linear systems, error analysis, eigenvalues and eigenvectors, orthogonal projection, and least squares.

370 NUMERICAL ANALYSIS 4 S

C or better in MAT 175 and FORTRAN, Pascal, PL/I or approved programming language req.

Interpolation and approximation, error analysis, differentiation, integration, techniques for solving differential equations, root finding. Applications and computational techniques.

378 MATHEMATICAL MODELING 4 S

C or better in MAT 175 and 350 req. MAT 340 rec.

Applications of mathematical modeling to fields including biology, economics, engineering, political science, psychology, and sociology. Project required.

385 ACTUARIAL EXAM PREPARATION 1 F,S

Cons inst req. Each topic may be taken once. Not for cr maj/min. MAT 385.01 not for cr if had MAT 147. MAT 385.02 not for cr if had MAT 350.

Problem solving sessions to aid in preparation for examinations given by the Society of Actuaries. Topic 385.01 Course 100 Preparation; topic 385.02 Course 110 Preparation. Consult the Class Registration Directory for the topics to be offered during any given semester.

386 TOPICS IN ACTUARIAL SCIENCE 2 S

C or better in MAT 175 and 350 req.

Topics in operations research and numerical methods for the Society of Actuaries Course Examinations.

390 INDEPENDENT STUDY 1-3 F,S

PHILOSOPHY (PHI)

351 Stevenson Hall, (309) 438-7665

Chairperson: Thomas Simon.

Tenured/Tenure-track Faculty:

Professors: Deutsch, Gorr, Gowen, Rosenbaum, Siderits, Simon.

Associate Professors: Machina, Stillwell.

Assistant Professor: Anderson, Bailey, Horvath.

Other Faculty:

Instructional Faculty: Assistant Professors: Barlow, Francken.

Administrative/Professional: Baird.

Philosophy Programs

Degrees Offered: B.A., B.S.

The Major in Philosophy is designed to provide a liberal arts core around which a student may build a program of courses to suit a wide variety of purposes. The Department encourages its students to work with a departmental advisor in selecting a minor, a second major, or a set of connected courses in various fields which will best combine with philosophical study to produce a program meeting their needs. To aid in this process, the Department has designed a number of specific four-year curricula which will prepare students for management positions in business and industry, or policy making positions in government, as well as for entry into law school, medical school, dental school, and seminaries. The Major in Philosophy may also be used as part of the preparation for graduate school in various fields, such as Business Administration, Computer Science, Psychology, and Philosophy.

MAJOR IN PHILOSOPHY

- 27 hours in Philosophy.
- Required PHI courses by area; Logic: PHI 110 or 210; History of Philosophy: PHI 254 and 255; Ethics: PHI 232; Epistemology and Metaphysics: PHI 361 and 362;

- at least 6 credit hours at the senior college level with at least 3 of these hours at the 300-level.

Each major works out a coherent program of supporting courses tailored to the student's needs in consultation with a faculty advisor.

MINOR IN PHILOSOPHY

- 18 hours in Philosophy required.
- Required PHI courses by area: Logic: PHI 110 or 210; History of Philosophy: PHI 254 and 255; at least 9 additional hours in PHI.
- Not more than two 100-level courses may count for the Minor.

MINOR IN PHILOSOPHY

For Teacher Education:

- 21 hours in Philosophy required.
- Required PHI courses by area: Logic: PHI 110 or 210; History of Philosophy: PHI 254 and 255; Ethics: PHI 232 or 240 or 242; Epistemology or Metaphysics: PHI 361 or 362; at least 6 additional hours in PHI with at least one 200- or 300-level course.

MINOR IN RELIGIOUS STUDIES

- 21 hours required, distributed as follows:
- 6 hours from Group A courses listed below, not including ANT 281. Courses must be from 2 different departments.
- 9 hours chosen from 3 of the Groups B, C, D, and E listed below. Courses must come from exactly 3 different Groups. Courses listed as "Related courses" may not be used to satisfy this requirement.
- 6 additional hours from any of the Groups used to satisfy the above requirements; 3 of these hours may be chosen from the courses listed as "Related courses" for those Groups.

Students are advised to complete several courses from Groups B through E prior to enrolling in the courses of Group A, except that this advice does not apply to HIS 270. Courses listed as "Related courses" in the following Groups may be of interest to students even though at most one of these may be used to complete the requirements for the Minor.

Group A

| | |
|---------|---------------------------------|
| HIS 270 | World Religions/World Views |
| PHI 120 | Philosophy of Religion |
| PHI 220 | Religion, Reason, and Faith |
| SOC 268 | Sociology of Religion |
| ANT 279 | Magic, Witchcraft, and Religion |

Related course:

| | |
|---------|-------------------------|
| ANT 281 | Principles of Ethnology |
|---------|-------------------------|

Group B

| | |
|---------|--|
| ENG 106 | Introduction to Literature—Literary Themes and Topics (<i>May be used only when the theme is approved by Religious Studies advisor.</i>) |
| ENG 250 | Literature of the Bible I |
| ENG 251 | Literature of the Bible II |
| ENG 352 | Selected Figures in World Literature (<i>May be used only when the topic is approved by Religious Studies advisor.</i>) |
| IDS 301 | Judaism: History and Culture |
| PHI 222 | Philosophy and Christian Theology |

Related courses:

| | |
|---------|--|
| HIS 223 | The Middle Ages: 1100-1500 |
| HIS 225 | The Reformation |
| HIS 351 | Ancient Near East |
| ART 369 | History of Medieval Art and Architecture |

Group C

HIS 271 Islamic Civilization

HIS 378 Islam

Related courses:

ART 366 Art of the Ancient Near East

HIS 126 History of the Middle East and Africa

HIS 351 Ancient Near East

HIS 377 History of the Arab-Israeli Conflict

Group D

HIS 269 History of Japanese Religions

PHI 207 Indian Philosophy

PHI 208 Buddhist Philosophy

Related courses:

ART 120 Oriental Art

ART 125 Exploring the Arts of China and Japan

HIS 125 History of Asian Civilizations

HIS 275 History of Japanese Civilization

HIS 276 History of Chinese Civilization

Group EFOR 105 Classical Mythology
orFOR 205 Interpretations of Classical Mythology (*Only one of these may be used for the Minor.*)*Related courses:*

ART 367 Greek Art

ART 368 Roman Art and Architecture

HIS 220 Ancient History: Greece

HIS 221 Ancient History: Rome

HIS 351 Ancient Near East

ANT 284 Anthropology of Native American Art

Notes on Philosophy Programs: Students wishing to minor in Philosophy are requested to inform the Department of their intention and are invited to discuss their program with an advisor in the Department of Philosophy.

Philosophy Courses

Freshmen wishing to select a Philosophy course normally should enroll in a 100-level course. Courses at the 300-level presuppose at least the level of sophistication that the successful completion of one or more lower-level courses in Philosophy would demonstrate.

101 BASIC ISSUES IN PHILOSOPHY 3 US-2 F,S

An introduction to central philosophical issues, e.g., knowledge, reality, freedom, God, and morality.

110 THINKING LOGICALLY 3 US-4 F,S

Not for cr if had MAT/PHI 210.

Principles and techniques of correct reasoning and logical thinking.

120 PHILOSOPHY OF RELIGION 3 US-2 F,S

Evaluation of the evidence for certain basic religious beliefs concerning the existence of God, the occurrence of miracles, evil, religious experience, faith, and other related topics.

138 MORAL AND SOCIAL VALUES 3 US-2 F,S

Current social issues—e.g., abortion and capital punishment—in light of differing views concerning moral and social principles.

203 EXISTENTIALISM 3 S

Existentialist themes—such as absurdity, authenticity, freedom, meaninglessness, alienation, and subjectivity—and their relevance to 20th-century society.

207 INDIAN PHILOSOPHY 3 US-8 F

Major Indian philosophical issues and theories and their contribution to Indian religion and culture; Hindu systems and the early Buddhist challenge.

208 BUDDHIST PHILOSOPHY 3 US-8 S

Origins and development of Buddhist philosophy; East Asian transformation (including Zen).

210 SYMBOLIC LOGIC I 3 US-4 F

1 yr each high school algebra and high school geometry. Also offered as MAT 210.

Introduction to proof theory. Formal deductive systems, especially propositional logic and predicate logic. Properties of deductive systems, such as consistency and completeness.

212 SYMBOLIC LOGIC II 3 S

MAT/PHI 210 req. Also offered as MAT 212.

Axiomatic systems of various kinds; some set theory; proof theory and meta-theory.

220 RELIGION, REASON AND FAITH 3 F

The respective roles of reason and faith in religious belief systems. How do we decide which religion—if any—to accept?

222 PHILOSOPHY AND CHRISTIAN THEOLOGY 3 S

Philosophical examination of selected central ideas in Christianity, such as the incarnation, the trinity, sin, salvation, and ethics. Standard philosophical methodologies will be employed.

232 ETHICS 3 US-2 F,S

C or better in 1 PHI course or 2.5 overall GPA rec.

Examination of major thinkers. Discussion of problems concerning value, obligation, virtue, moral justification and moral standards.

234 BUSINESS ETHICS 3 US-7 F,S

A philosophical examination of selected ethical issues in business practice including discussions of case material, such as personnel management, advertising, labor-management relations, and corporate responsibility.

240 POLITICAL PHILOSOPHY 3 US-2 F

C or better in 1 PHI course or 2.5 overall GPA rec.

Discussion of traditional and contemporary issues, e.g., human rights, theories of justice, Marxism, civil disobedience, punishment, and the end and limit of government.

242 PHILOSOPHY OF LAW 3 F

1 PHI course or a law-related course rec.

Evaluation of conflicting views concerning the nature of law, legal obligation, legal rights, and the justification of punishment.

246 FEMINIST POLITICAL PHILOSOPHY 3 F,S

Examination of feminist political theories addressing the oppression of women. Critical scrutiny of philosophical foundations of feminism.

248 MODERN WAR AND MORALITY 3 F

Intensive examination of moral problems concerning war, e.g., pacifism, self-defense, conscription, terrorism, nuclear deterrence.

134 Philosophy; Physics

250 PHILOSOPHY OF SCIENCE 3 F

The nature of scientific theories, methods, reasoning, hypotheses, laws, and explanations.

253 PHILOSOPHY AND THE BEHAVIORAL SCIENCES 3 S

Philosophical issues raised by and relevant to the scientific study of human behavior.

254 ANCIENT AND MEDIEVAL PHILOSOPHY 3 US-2 F

C or better in 1 PHI course or 2.5 overall GPA rec.

Classic Western philosophical ideas from the earliest times to the 15th century. The pre-Socratics, Socrates, Plato, Aristotle, Augustine, Aquinas, and others.

255 MODERN PHILOSOPHY 3 US-2 S

C or better in 1 PHI course or 2.5 overall GPA rec.

Classic western philosophical ideas of the 17th and 18th centuries. Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.

298 PROFESSIONAL PRACTICE: INTERNSHIP IN APPLIED PHILOSOPHY 1-12 F,S

3 PHI courses req, including at least 1 at the 200- or 300-level. 2.5 GPA in PHI courses. Complete dept application procedure. Max 3 hrs toward PHI maj/min. Cons dept chair.

Planned, supervised experience in a governmental or community organization providing experience in applying philosophical theory to current social or scientific problems.

305 TWENTIETH-CENTURY PHILOSOPHY 3 F

1 PHI course req.

Major philosophical movements of the 20th century, focusing on representative figures.

330 MORAL THEORY 3 S

2 PHI courses rec, of which must 1 be PHI 232.

Examination of meaning and justification of value judgments. Problems concerning moral objectivity, the fact-value gap, the possibility of moral knowledge.

339 TOPICS IN THE PHILOSOPHY OF ART 3 F

PHI 239 or 2 PHI courses req, including at least 1 200-level or higher. Grad students may enroll without previous PHI courses. May be repeated. Formerly TOPICS IN AESTHETICS.

Philosophical questions about visual, musical, literary and theatre arts. Problems concerning expression, aesthetic experience, representation, the nature of art, and the possibility of objective evaluation of art works.

340 TOPICS IN POLITICAL PHILOSOPHY 3 S

2 PHI courses req, of which 1 must be PHI 232 or PHI 240. Grad students may enroll without previous PHI courses.

Intensive examination of some major figure or movement in the history of philosophy, such as Plato, Kant, or British Empiricism.

350 TOPICS IN THE HISTORY OF PHILOSOPHY 3

PHI 254 or 255 req. May be repeated.

Intensive examination of some major figure or movement in the history of philosophy, such as Plato, Kant, or British Empiricism.

361 THEORY OF KNOWLEDGE 3 F

2 PHI courses req, of which 1 must be PHI 255.

Classic and contemporary theories of knowledge. Problems of meaning, truth, certainty, *a priori* knowledge, induction, perception, belief, and evidence.

362 METAPHYSICS 3 S

2 PHI courses req, of which 1 must be PHI 254 or 255.

Classic and contemporary metaphysical theories. Problems of substance, change, universals, time, space, mechanism, teleology, and freedom.

390 INDEPENDENT STUDY 1-3

1 PHI course; cons inst and dept chair req.

PHYSICS (PHY)

311 Moulton Hall, (309) 438-8756

Chairperson: George Skadron.

Tenured/Tenure-track Faculty:

Professors: Jesse, Schroeder, Skadron, Young.

Associate Professors: Hassani, Martin.

Assistant Professors: Clark, Edwards, Holland, Karim, Matsuoka, Rutherford.

Other Faculty:

Lecturer: Wenning.

Administrative/Professional: Bogue, Johns.

Physics Programs

Degrees Offered: B.S.

The Physics Major sequences at Illinois State University are sufficiently flexible to serve the needs of students with any of the following goals: (1) government or industrial research and development, (2) graduate study in Physics, (3) graduate study in an allied field such as Engineering, (4) entrance to medical or dental school, or (5) high-school Physics teaching.

MAJOR IN PHYSICS

Physics Sequence:

- 44 hours in Physics required.
- Required courses: PHY 107, 110, 111, 112, 217, 220, 240, 270 (3 hrs), 284, 325, 340, 384; 6 additional hours of 300-level PHY courses; CHE 140 and 141 (or CHE 150) are also required for the Major.

Affiliated Engineering Program with University of Illinois:

- 44 hours of Physics required.
- Required courses: PHY 107, 110, 111, 112, 217, 220, 240, 270 (1 hr), 284, 17 additional hours of approved courses transferred from the University of Illinois; CHE 140 and 141 (or CHE 150) are also required.

Teacher Certification Sequence:

- 34 hours in Physics required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses: PHY 101, 110, 111, 112, 217, 220, 240, 270 (2 hrs), 301, 302; electives must be chosen from 200-level or above PHY courses; CHE 140 and 141 (or CHE 150) are also required for this Major.
- Completion of requirements for a second teaching field.

MINOR IN PHYSICS

- 23 hours in Physics required.

- Required courses: PHY 110, 111, 112, 11 additional hours of electives from 200- or 300-level PHY courses.

MINOR IN PHYSICS

For Teacher Education:

- 26 hours in Physics required.
— Required courses: PHY 110, 111, 112, 270 (1 hr), 301 (3 hrs).

Physics Courses

- 100 ENERGY AND ENVIRONMENT** 3 US-3 F,S
Intended for students not maj or min in the physical sciences.

Scientific and technological aspects of energy and related environmental issues; fossil fuels, solar and nuclear energy. Lectures, demonstrations, and some simple quantitative examples.

- 101 EXPLORING THE UNIVERSE** 3 US-3 F,S
Formerly INTRODUCTION TO ASTRONOMY

Introduction to the past, present, and the future of our universe. Topics are selected from celestial motions, the solar system, stellar evolution, extragalactic astronomy, Big Bang, history of astronomy, and scientific process.

- 102 ASTRONOMY LABORATORY** 1
PHY 101 req.

Optional lab to complement and extend concepts developed in PHY 101.

- 105 FUNDAMENTALS OF PHYSICS** 4 US-3 F,S
Not for cr if had PHY 108, 110 or equiv. Lecture and lab. Intended for students not maj or min in the physical sciences.

Concepts and principles of mechanics, heat, wave motion, electricity, magnetism, and light. Applications to everyday life.

- 106 CONCEPTS IN CONTEMPORARY PHYSICS** 3 US-3 F,S
Intended for students not maj or min in the physical sciences. Materials charge optional. Formerly FROM QUARKS TO QUASARS.

Non-mathematical discussion of significant discoveries of twentieth century physics including relativity and curved space-time, quantum theory and wave-particle duality, fundamental particles and their interactions, cosmology and the Big Bang theory.

- 107 FRONTIERS OF PHYSICS** 2 F
Designed for students entering pre-engineering or physics. MAT 144 or conc reg. Materials charge optional.

An introduction to selected contemporary topics in pure and applied physics.

- 108 COLLEGE PHYSICS I** 5 US-3 F,S
2 years of high school algebra or equiv req. Not for cr if had PHY 110 or equiv. Lecture and lab. First sem of a 2-sem seq. Formerly GENERAL PHYSICS I.

Basic principles of mechanics, wave motion, sound, and heat. Lectures, demonstrations, discussions, laboratory exercises, problems using algebra.

- 109 COLLEGE PHYSICS II** 5 US-3 F,S
PHY 108 or 110 req. Not for cr if had PHY 111 or equiv. Lecture and lab. Continuation of PHY 108. Formerly GENERAL PHYSICS II.

Electrostatics, electrical currents, magnetism, light and optical instruments, quantum, atomic, and nuclear physics, special relativity.

- 110 PHYSICS FOR SCIENCE AND ENGINEERING I** 4 US-3 F,S
MAT 145 req. Not for cr if had PHY 108 or equiv. Lecture and recitation. Lab (every other week). Materials charge optional. Formerly PHYSICS I.

Basic principles of mechanics, wave motion, and heat.

- 111 PHYSICS FOR SCIENCE AND ENGINEERING II** 4 US-3 F,S
PHY 110 and MAT 146 or conc reg req. Not for cr if had PHY 109 or equiv. Lecture and recitation. Lab (every other week). Continuation of PHY 110. Materials charge optional. Formerly PHYSICS II.

Thermodynamics, electrostatics, electrical currents and circuits, magnetism, Faraday's Law.

- 112 PHYSICS FOR SCIENCE AND ENGINEERING III** 4 F,S
PHY 111, MAT 147 or conc reg req. PHY 107 or a programing language req. Lecture and lab. Materials charge optional.

Electromagnetic waves, optics, relativity, old quantum theory, atomic and nuclear physics. Lectures, demonstrations, discussions, laboratory exercises, computer lab.

- 217 METHODS OF THEORETICAL PHYSICS** 3 S
PHY 111; MAT 147 and 175 or conc reg req.

Mathematics applied to physics: multivariate calculus, vector and tensor analysis, curvilinear coordinates, complex numbers, differential equations, numerical methods.

- 220 MECHANICS I** 3 F
PHY 217 req. Formerly INTERMEDIATE MECHANICS.
Newton's laws applied to the study of motion of point masses subjected to viscous, frictional, elastic, central, harmonic, interparticle, and conservative forces.

- 240 ELECTRICITY AND MAGNETISM I** 3 S
PHY 217 req. Formerly INTERMEDIATE ELECTRICITY AND MAGNETISM.

Electrostatic fields and potentials in vacuum, Gauss' law, electrostatics of dielectrics, magnetostatics, Biot-Savart, Ampere, and Faraday laws, magnetic induction, magnetic materials, and Maxwell's equations.

- 270 EXPERIMENTAL PHYSICS** 1 F,S
PHY 112 and 217 req; ENG 249 rec. Only PHY 270.03 may be repeated; max 2 hrs.

Laboratory experiments that demonstrate principles of mechanics, electricity, magnetism, optics, and modern physics. Emphasis on experimental technique, analysis, and on the quality of written reports.

- 284 QUANTUM MECHANICS I** 3 S
PHY 112 and 217 req.

Blackbody radiation, photoelectric effect, wave-particle duality, uncertainty principles, Schrodinger equation, probability amplitudes, one-dimensional potentials, hydrogen atom.

- 290 RESEARCH IN PHYSICS** 1-3 F,S
20 hrs PHY req. May be repeated; max 3 hrs. 3 hrs conference, lab or library research per week for each hr of cr.

An introduction to the scientific discovery process through participation in a departmental research program.

- 301 PROBLEMS IN THE TEACHING OF HIGH SCHOOL PHYSICS** 3-4 F,S
16 hrs in PHY and C or better in C&I 214 or 215 or 216 (6 hrs) or conc reg req. Adm to Teacher Ed req. Teaching maj only. Incl observation and Clin Exp for 4 hrs cr. Modern methods and problems confronting teachers of high school physics.

- 302 COMPUTER APPLICATIONS IN HIGH SCHOOL PHYSICS** 1 F,S
1 hr of PHY 270 req.

Applications of computers in teaching of high school physics.

- 320 MECHANICS II** 3 F
PHY 220 and MAT 340 req; ACS 164 rec. Formerly ADVANCED MECHANICS.

Coordinate transformations, nonlinear oscillations, Hamilton's Principle, Lagrangian and Hamiltonian mechanics, rigid body motion.

- 325 THERMAL PHYSICS** 3 F
PHY 284 req. Formerly PHY 225.

Thermodynamics, kinetic theory, and statistical mechanics with discussion on phase transitions and critical phenomena.

- 330 OPTICAL PHYSICS** 3 S
PHY 240 req. Formerly PHY 230.

Optical systems, electromagnetic waves, interference and diffraction, quantum optics.

- 340 ELECTRICITY AND MAGNETISM II** 3 F
PHY 240 and MAT 340 req. Formerly ADVANCED ELECTRICITY AND MAGNETISM.

Electrostatic boundary value problems; Maxwell's equations; polarization, reflection, and transmission of electromagnetic waves, waveguides; electromagnetic radiation, fundamentals of antenna theory, relativistic electromagnetism.

- 355 SOLID STATE PHYSICS** 3 S
PHY 325 req.

Crystal structures, X-ray and electron diffraction, lattice vibrations and thermal properties, binding energy, conduction of electrons, band theory, dielectric and magnetic properties, defects, metals, semiconductors, and insulators.

- 375 ELECTRONICS FOR SCIENTISTS** 3 S
PHY 109 or 111 req. Lecture and lab

DC and AC circuit analysis with an introduction to the electrical properties of semiconductors; theoretical and experimental analysis of semiconductor diode, transistor, and operational amplifier circuits.

- 380 TOPICS IN CONTEMPORARY PHYSICS** 1-3 F,S
Sr standing only. Conc inst. May be repeated.

Recent developments in the fields of atomic, biomolecular, elementary particle, many-body, molecular, nonlinear, nuclear, plasma, and solid-state physics.

- 384 QUANTUM MECHANICS II** 3 F
PHY 284 and MAT 340 req. Formerly QUANTUM MECHANICS.

Operator formalism, Dirac bra and ket notation, angular momentum, perturbation theory, time dependent Schrodinger equation, LS coupling, applications to atomic physics.

- 387 METHODS OF MATHEMATICAL PHYSICS** 3 S
PHY 240 and MAT 340 or conc reg req.

Vector analysis, curvilinear coordinates, finite-dimensional linear spaces, matrices and determinants, function and Hilbert spaces, classical orthogonal polynomials, Fourier series and transform, complex analysis, residue theorem, partial differential equations, separation of variables, ordinary differential equations, Sturm-Liouville systems, Green functions, numerical methods.

- 388 COMPUTATIONAL PHYSICS** 3 F
MAT 146 and 164 (FORTRAN) req. 6 hrs from PHY 220, 240, 284, or 330. Formerly PHYSICS AND COMPUTERS.

Modeling of physical systems by computer; numerical solutions to ordinary linear differential equations and simple nonlinear dynamic equations; Fourier synthesis, and Monte Carlo approach to simulating physical systems; introduction to supercomputing applications.

POLITICAL SCIENCE (POS)

306 Schroeder Hall, (309) 438-8638

Chairperson: Thomas Eimermann.

Tenured/Tenure-track Faculty:

Professors: A. Cohen, Eimermann, Gordon, Gueguen, Hunt, Mead, Monroe, Nassar, Payne.

Associate Professors: Bradley, Brooks, Davis, Kiser, Klass, Lind, Pope.

Assistant Professors: Hobbs, Lind, Parodi, Rexford, Roberts, Wang.

Other Faculty:

Visiting Faculty: Assistant Professors: Brown, Drazewski, Hammer, Monke, Reynard, Spires, Turner, Weintraub, Wells.

Lecturer: Ruddy.

Administrative/Professional: Thornton.

Political Science Programs

Degrees Offered: B.A., B.S.

The Political Science Program provides students with a broad liberal education and at the same time offers opportunities to begin a specialized concentration in one area of the discipline such as public service or global studies. The study of political science leads into careers in law and paralegal services; local, state, and federal governments and not-for-profit agencies; international public and private organizations; teaching and research; and in the private sector-especially government-related activities of business. Career information, including career-related courses offered by other departments, is available from the Department's undergraduate, concentration, and pre-law advisors. Teacher Education students majoring in Political Science fulfill Professional Education requirements through the Social Science Program.

MAJOR IN POLITICAL SCIENCE

- 33 hours in Political Science.
- Required courses: POS 105, 209, at least two 300-level POS courses (excluding internships), and at least 3 hours in 5 of the 6 areas of (1) Political Philosophy, Theory, and Methodology, (2) American Politics, (3) Comparative Politics, (4) International Relations, (5) Public Law, and (6) Public Administration. POS 105 and 209 are required, but do not fulfill area requirements. It is recommended that Political Science majors enroll in POS 105 in their first year of study and in POS 209 in their second year of study; similarly, that transfer students wishing to complete the Major enroll in POS 105 and 209 in their first year at Illinois State University if they have not already had equivalent courses.

MAJOR IN SOCIAL SCIENCES

The major in Social Sciences is administered by the Department of History in cooperation with the Departments of Economics; Political Science; and Sociology-Anthropology. For further information see Social Sciences Programs.

MINOR IN POLITICAL SCIENCE

- 18 hours in Political Science required.
- Required course: POS 105.

MINOR IN POLITICAL SCIENCE**For Teacher Education:**

- In addition to those listed for the Minor in Political Science, students must complete education courses that are required for state certification. See undergraduate advisor for further information.

HONORS IN POLITICAL SCIENCE

Students majoring or minoring in Political Science may be admitted to the Departmental Honors Program if they have: (1) completed at least 30 semester hours of college- or university-level courses, including at least 2 Political Science courses; (2) a minimum of 3 semesters remaining before graduation; (3) a cumulative GPA of 3.3; (4) 1 letter of recommendation submitted by a Political Science faculty member to the undergraduate advisor; (5) membership in the University Honors Program; and (6) admission approval from the Departmental Honors Committee.

In order to graduate with honors in Political Science a student must complete: (1) all regular requirements for the Political Science major; (2) 3 hours of in-course honors; (3) 3 hours in POS 302: Honors Seminar; (4) 3 hours of POS 299: Independent Honors Study; and (5) have a major GPA of at least 3.5.

Any student admitted to the University Honors Program may earn honors credit by completing the honors requirements of either a designated honors course or of a course offering an in-course honors option.

Legal Studies Program

The Legal Studies curriculum is designed to provide knowledge and skills related to various types of paralegal careers. This program may not be appropriate for pre-law students. While a major is not offered, interested students should consult the Legal Studies Coordinator about the possibility of an individualized major under the General Studies Program. In order to gain admission into the Legal Studies Program, a student must have submitted a formal application to the

Legal Studies Coordinator; must have completed at least 2 approved Legal Studies courses (one of which must be POS 281); and must have earned a cumulative GPA of at least 2.5 in those 2 Legal Studies courses. For further information contact Denis Thornton, Legal Studies advisor, 323 Schroeder Hall.

MINOR IN LEGAL STUDIES

- 24 hours required.
- Required courses (9 hrs): POS 281, 316, 320.
- 15 hours from among the following Legal Studies Specialization Courses: POS 216, 282, 314, 319, 322, 372, 376, 398.20. A maximum of 6 credits of internship can be counted toward fulfilling the Legal Studies requirements. Additional hours of internship may be taken for credit as electives.

Only Legal Studies courses with a grade of "C" or higher can count toward the Minor.

Political Science Courses

In meeting program requirements in Political Science, the student should note that the courses are contained in areas as follows:

1. Political Philosophy, Theory, and Methodology: 161, 262, 263, 265, 266, 313, 362, 364, 368.
2. American Politics: 211, 213, 215, 217, 220, 221, 222, 224, 310, 312, 323.
3. Comparative Politics: 141, 145, 241, 242, 244, 246, 247, 248, 345, 347, 348.
4. International Relations: 151, 251, 252, 254, 293.01, 344, 351, 354, 356.
5. Public Law: 281, 283, 293.03, 316, 318, 325, 326, 327, 328, 398.20.
6. Public Administration: 231, 232, 329, 330, 331, 332, 333, 398.01.

Students should consult the Department advisor to learn which recently added and selected studies (189, 289, 389) courses may satisfy area requirements; this would include POS SENIOR SEMINAR, which counts toward fulfilling the 300-level hours requirement, but does not fulfill area requirements.

105 AMERICAN GOVERNMENT AND POLITICS**3 US-5 F,S**

Surveys the entire U.S. political process, concentrating on the national level. Includes constitutional structure, patterns of behavior, and policy making institutions.

141 COMPARATIVE EUROPEAN GOVERNMENTS**3 US-5 F,S**

Structure, function, and political processes of European governments. Emphasis on Britain, France, and Germany.

145 INTRODUCTION TO NON-WESTERN POLITICS**3 US-8 F,S**

An introductory examination of the politics of non-Western countries and their significance to the United States and the global system.

151 INTRODUCTION TO INTERNATIONAL RELATIONS**3 US-5 F,S**

Emphasizes understanding the behavior and characteristics of nation-states and issues affecting their relations with each other.

161 INTRODUCTION TO POLITICAL THINKING 3

Critical consideration of basic political questions such as the nature of the state, civic order, and forms of government.

209 EMPIRICAL RESEARCH METHODS 4 F,S
POS 105 rec.

Major issues, systematic approaches, and research techniques involved in the study of politics.

211 AMERICAN POLITICAL PARTIES 3

A contemporary description and appraisal of four elements of parties: organization, voters, parties in elections, and parties in government.

213 CONGRESSIONAL POLITICS 3
POS 105 and 209 rec.

Major congressional institutions and proposals for their reform, primarily through play of classroom game simulations.

215 AMERICAN JUDICIAL PROCESS 3

Introduction to the major elements of the judicial system: police, lawyers, juries, and judges. Concentrates on organization and behavior.

217 AMERICAN PRESIDENCY 3

The presidency is examined pre-eminently as an office of political influence, decision-making, and policy implementation.

220 CAMPAIGN POLITICS 3
POS 211 rec.

Consideration of campaign planning, management, and activities through reading, discussion, and supervised student campaign participation. Ordinarily scheduled to coincide with primary and general election years.

221 AMERICAN STATE AND LOCAL GOVERNMENTS 3

Structures and functions of state and local governments. Includes discussion of comparative state and local politics and policy outputs.

222 URBAN POLITICS AND PROBLEMS 3

A systems analysis of the processes and interactions of the environmental, social, economic, and power components of urban political systems.

224 INTEREST GROUP POLITICS 3

Investigation of interest group membership, organization, and lobbying activities within the context of the competing theories of group influence.

231 PUBLIC ADMINISTRATION 3
POS 105 rec.

Mission, structure, function, politics, and public policy development of public administration, including parameters of public finance and personnel.

232 POLITICS AND PUBLIC POLICY 3 US-5
POS 105 rec.

Introduction to the political processes of public policy formation, including theories, and an analysis and evaluation of selected policy areas.

241 ANGLO-AMERICAN POLITICS 3
POS 141 rec.

Comparative analysis of the government and politics of Britain, Canada, and Australia; examination of Canadian-American interdependence and integration.

242 POST-SOVIET GOVERNMENT AND POLITICS 3

Formerly SOVIET GOVERNMENT AND POLITICS.

How the post-Soviet system works—its strengths, weaknesses, and prospects. Western perspectives are also discussed.

244 POLITICS OF DEVELOPING AREAS 3
POS 145 rec.

Political systems of newly industrializing societies—primarily of Asia, but also of Latin America and Africa.

246 AFRICAN POLITICS 3 US-8
POS 145 rec.

Comparative analysis of African political systems, including such contemporary problems as the politics of race, nation building, and economic development.

247 POLITICS OF THE MIDDLE EAST 3 US-8
POS 145 rec.

Comparative analysis of the political systems of selected Middle Eastern states and of region-wide issues including nationalism, revolution, and conflicts.

248 EUROPEAN POLITICAL PARTIES 3
POS 141 or cons inst req.

Comparative analysis of the structure, role, and impact of Western European political parties, with emphasis on their ideological, electoral, and governing functions.

251 INTERNATIONAL RELATIONS 3
POS 151 rec.

Presentation of various approaches employed to study international politics, and an analysis of problems and prospects of the contemporary world.

252 INTERNATIONAL ORGANIZATIONS 3
Cons inst.

Introduction to the role of international organizations in world affairs. Preparation for Model United Nations.

254 GLOBAL ISSUES 3 US-5

Transnational political interactions and behavior of global actors and their impact upon crucial socio-economic, technological, and cultural issues.

262 MODERN POLITICAL PHILOSOPHY 3

Introduction to political philosophy emphasizing the intentions, methods, and theories of selected European thinkers from the 16th through the 19th centuries.

263 COMMUNIST POLITICAL THOUGHT 3

A critical analysis of Marxist-Leninist ideology, its origins, development, and philosophical and political significance.

265 TOPICS IN AMERICAN POLITICAL THOUGHT 3

May be repeated if content different.

Analysis and evaluation of major writings that proceed from, contribute to, or comment upon the American political experience.

266 AMERICAN LEGAL THEORY AND ITS BACKGROUND 3

A theoretical overview of the legal component of political science with particular reference to policies and institutions in the American legal system.

283 TRIAL ADVOCACY 3

An introduction to fundamental techniques of trial advocacy in preparation for participation in intercollegiate mock trial competitions.

- 300 SENIOR SEMINAR** 3 F,S
POS maj, sr standing or cons dept chair req.
 Intensive study of an announced area and the formulation of a comprehensive research paper.
- 300.01 SOCIAL SCIENCE SEMINAR** 3 S
SSC maj, jr standing, and 20 hrs of SSC or cons inst or SSC advisor. Also offered as ANT/GEO/HIS/GEO/SOC 300.01.
 An intensive interdisciplinary study of a selected area in the social sciences, including a research project.
- 302 HONORS SEMINAR** 3
Honors students only. POS maj/min and sr standing or cons dept chair req. Formerly POS 300.
 Intensive study of an announced area and formulation of a cumulative research paper.
- 310 VOTING AND ELECTIONS** 3
 Intensive investigation of U.S. voting behavior and electoral process; includes instruction in analysis techniques.
- 312 PUBLIC OPINION** 3
POS 105 or SOC 106 rec.
 Includes attention to social and psychological bases of public opinion, current trends, methods of measurement, and opinion-policy linkages.
- 313 COLLECTIVE DECISION MAKING** 3
 Game theory approach to decision-making in large groups, including legislatures, unions, oligopolies, bureaucratic organizations, and international negotiations.
- 318 ADMINISTRATIVE LAW** 3
POS 215 and 231 rec.
 An overview of topics such as legislative, executive, and judicial control of administrative actions, public and private access to information, the administrative hearing process and other due process concerns.
- 323 STATE POLITICAL SYSTEMS** 3
POS 221 or cons inst req.
 Exploration of the nature of state politics through comparison, contrast, and synthesis of micropolitical and macropolitical research in state politics.
- 325 CONSTITUTIONAL LAW: FUNCTIONS AND POWERS** 3
POS 105 req; POS 215 rec.
 Major Supreme Court decisions on federalism, separation of powers, taxation, commerce, voting, and citizenship.
- 326 CONSTITUTIONAL LAW: DUE PROCESS RIGHTS** 3
POS 215 rec.
 Major Supreme Court decisions involving both procedural and substantive due process rights.
- 327 CONSTITUTIONAL LAW: EQUALITY AND FREE EXPRESSION** 3
POS 215 rec.
 Major Supreme Court decisions involving discrimination, and freedom of speech, press, assembly, and religion.
- 328 JUDICIAL BEHAVIOR** 3
POS 215 req.
 Theoretical and analytical approaches to the study of judicial decision-making at the federal, state, and local levels.
- 329 INTERGOVERNMENTAL RELATIONS** 3
POS 221 or 222 or 231 rec.
 Federalism in theory and practice, focusing on U.S.; politics and policy in intergovernmental contexts; recent initiatives and current problems.
- 330 PROBLEMS OF PUBLIC ADMINISTRATION** 3
POS 231 rec. May be repeated if content different.
 Varied approaches to problems relevant to public policy, organization development, management, staff, or personnel concerns, and applied behavioral techniques.
- 331 PUBLIC PERSONNEL ADMINISTRATION** 3
POS 231 or cons inst req.
 The personnel process in American bureaucracy; matching the individual and the job; employer-employee relations; employee motivation; problems and prospects.
- 332 PUBLIC POLICY ANALYSIS** 3
POS 232 or cons inst req. May be repeated if content different.
 Comparative policy research; an assessment of factors affecting policy formation and approach to evaluation of consequences of specific domestic public programs.
- 333 THE POLITICS OF GOVERNMENTAL BUDGETING** 3
POS 231 rec.
 Meaning, significance, content, and evolution of governmental budgeting processes and reforms at all levels of government; political implications of fiscal reforms.
- 344 TOPICS IN GLOBAL STUDIES** 3
May be repeated if content different.
 Intensive review and analysis of critical global problems and strategies for dealing with them.
- 345 ASIAN POLITICS** 3
POS 145 rec. May be repeated if content different.
 Comparative studies in the government and politics of selected Asian states.
- 347 LATIN AMERICAN POLITICS** 3
POS 145 rec. May be repeated if content different.
 Politics of development and regional integration in South and Central America, using selected countries as examples.
- 348 EUROPEAN PUBLIC POLICY** 3
POS 141 and 232 rec.
 Analysis and evaluation of the policy-making process and public policies of the European Community and individual Western European nations.
- 351 INTERNATIONAL LAW** 3
 Political nature, legal principles, and juridical procedures and cases of contemporary international law.
- 354 POST-SOVIET FOREIGN POLICY** 3
POS 242 rec. Formerly SOVIET FOREIGN POLICY.
 The strengths and weaknesses of post-Soviet foreign policy. Focuses on the foreign policy decision-making system, on intentions and capabilities.
- 356 AMERICAN FOREIGN POLICY** 3
 The formulation, implementation, and content of American foreign policy.

362 CLASSICAL POLITICAL PHILOSOPHY 3*May be repeated if content different.*

Introduction to the origin and development of inquiry about human life in political association with particular reference to ancient and medieval philosophers.

364 CONTEMPORARY POLITICAL THOUGHT 3

Selected political theories from the end of the 19th century to the present.

368 TECHNOLOGY AND POLITICS 3

Exploration of the implications of modern technology and techniques for political society.

398.01 PROFESSIONAL PRACTICE PUBLIC SERVICE**INTERNSHIP****1-16 F,S**

Max 6 hrs/POS maj; max 3 hrs/POS min. Complete dept internship application procedure.

Planned, supervised experience in a governmental or community organization, providing on-the-job training and introduction to public service careers.

Legal Studies Courses

The following courses are designed for the Legal Studies Program. Except for POS 281, 316, and 398.20, these courses may not be counted for credit toward a POS major or minor.

216 INTRODUCTION TO TORTS 3*Not for cr POS maj/min.*

An introduction to the fundamental concepts of tort law. Topics include intentional and unintentional wrongs, varieties of liability, and courses of action.

281 INTRODUCTION TO PARALEGALISM 3*Cons inst.*

An introduction to the role of paralegals in the legal system with an emphasis on the development of legal research skills.

282 LAW OFFICE ADMINISTRATION 3*POS 281 req. Not for cr POS maj/min.*

A paralegal specialty course covering law office organization and procedures, conflict of interest, and ethics.

314 INVESTIGATIVE TECHNIQUES 3*POS 216 req. Not for cr POS maj/min.*

Techniques for the gathering and preparation of evidence for use in legal disputes.

316 ADVANCED LEGAL RESEARCH 3*POS 281 req.*

A comprehensive study of legal resource materials and research strategies with emphasis on developing legal writing skills.

319 PROBATE LAW 3*Not for cr POS maj/min.*

Introduction to the fundamentals of probate law with emphasis on tasks which can be performed by paralegals.

320 CIVIL TRIAL AND APPELLATE PRACTICE 3*POS 281 req. Not for cr POS maj/min.*

The stages of a civil law suit from filing to judgment and appellate review. Special attention will be paid to those functions which can be performed by paralegals.

322 DOMESTIC RELATIONS LAW 3*Not for cr POS maj/min.*

Overview of the laws and procedures governing legal aspects of marriage and child custody. Emphasis is placed on tasks which can be performed by paralegals.

372 EMPLOYMENT LAW 3*POS 281 req. Not for cr POS maj/min.*

A paralegal specialty course covering retirement plans, collective bargaining agreements, workmen's compensation, anti-discrimination laws, and OSHA regulations.

376 ADVANCED LITIGATION 3*POS 281, 320 req. Not for cr POS maj/min.*

A paralegal specialty course focusing on the drafting, digesting, and indexing of discovery documents with emphasis on computerized litigation support.

398.20 PROFESSIONAL PRACTICE: PARALEGAL INTERNSHIP 1-16 F,S*POS 281 req. Max 6 hrs POS maj; max 3 hrs POS min.**Complete dept internship application procedure.*

Internship provides work experience involving paralegal skills.

PSYCHOLOGY (PSY)**435 DeGarmo Hall, (309) 438-8651****Chairperson:** Larry Alferink.**Tenured/Tenure-track Faculty:**

Professors: Alferink, Bergner, Berk, Gnagey, Graybill, Hogan, Johnson, Lamb, Landau, Lemke, Pryor, Ramseyer, Redding, Reeder, Schmaltz, Stevens, Swerdlik.

Associate Professors: Binning, Creasey, Hardwick, Harris, House, Jarvis, Pfost, M. Williams.

Assistant Professors: Adams, Catanzaro, DeSouza, Farmer-Dougan, Horton, Laurent, Maccow, Morris, Nordstrom, Roberts, Shaw, Walczyk, K. Williams.

Other Faculty:

Instructional Faculty: Assistant Professors: Campbell-Raufer, Montgomery, Phillips.

Lecturers: Dougan, Overton, Roberts, Ward.

Administrative/Professional: Mark.**Psychology Programs**

Degrees Offered: B.A., B.S.

MAJOR IN PSYCHOLOGY

- Meet departmental admissions criteria.
- 36 hours in Psychology required.
- Required courses: PSY 111, 231, 240, 331, 392.
- All majors are required to take 4 courses from the following: PSY 320, 334, 350, 360, 361, 363, 364, 365, 366, PSY 301 (or 302 or 303). Not more than 12 hours of 100-level PSY courses, or courses transferred from community colleges, may count toward the Major.
- Students who major in Psychology must complete the following courses or equivalents: ENG 101, 145; MAT 144 and 145, or MAT 120 and 121, or MAT 144 and PSY 345, or MAT 120 and PSY 345; 2 classes with laboratories in BSC, CHE, or PHY, and at least 1 course from PHI 101, 110, 232, 250, or 253.

Concentrations: The Department has delineated various concentrations that can be useful in planning the total academic program at Illinois State. Although not prescribed or

required, the advisement plans for the concentrations are useful for students who have some idea which careers they wish to pursue after graduation. The areas of concentration are: General (an area designed for students who wish to enroll in courses representing a broader range of content), Social Service, Business and Industrial, Graduate (designed for students anticipating graduate study in Psychology). Majors should seek more information about the concentrations from the departmental academic advisors.

MINOR IN PSYCHOLOGY

- 21 hours in Psychology required.
- Meet departmental admissions criteria.
- Required courses: PSY 111, 231, 232.
- Plan a program of study in consultation with an advisor in the PSY Department.
- NOTE: Coursework in Sociology, Anthropology, and Social Work does not count toward the Psychology Minor.

MINOR IN PSYCHOLOGY

For Teacher Education:

- Program requirements are the same as those listed for the Minor in Psychology. Students who complete the Teacher Education Minor are eligible for the Psychology High School Endorsement.

HONORS IN PSYCHOLOGY

The Department offers honors work for superior students majoring in Psychology. In order to qualify the student must have achieved senior standing at the University, have achieved a university GPA of 3.30 or better and have a GPA of 3.50 or better in Psychology coursework. Finally, the student must complete a senior thesis (worth at least 3 hours credit and registered for PSY 299-Independent Honors Study) which reflects substantial research and quality of thought. The student completing the program may choose to present the thesis at an honors colloquium.

Psychology Courses

111 GENERAL PSYCHOLOGY 3 US-5 F,S

Students may be expected to participate in experiments.

Introduction to the discipline of psychology as the scientific study of behavior with emphasis on general principles.

112 DEVELOPMENTAL PSYCHOLOGY OF THE LIFE SPAN 3 US-5 F,S

PSY 111 req. Not for cr if had PSY 301, 302 or 303. May Incl Clin Exp.

Physical, social, emotional, and cognitive development of the individual from conception to death.

123 HUMAN SEXUALITY 3 US-7 F,S

SOC 106 or PSY 111 req. Not for cr if had SOC 123.

Basic psychological, socio-cultural, and physiological elements of human sexuality.

131 SOCIAL PSYCHOLOGY 3 US-5 F,S

PSY 111 or SOC 106 req. Not for cr if had SOC 131.

Scientific study of behavior as influenced by other individuals; communication, motivation, differential social and cultural factors in personality; social interaction.

215 EDUCATIONAL PSYCHOLOGY 3 F,S

PSY 111 req. Designed for prospective school teachers. Incl Clin Exp.

Application of psychology to education covering human learning in school setting; evaluation and measurement of learning outcomes, developmental factors and learning, and social factors of learning.

220 APPLIED HUMAN RELATIONS 3 F,S

PSY 111. Not for cr maj.

Survey of applications of psychological knowledge in the area of human and interpersonal relations. Focus on applying psychological principles in the workplace.

230 BUSINESS AND INDUSTRIAL PSYCHOLOGY 3 F,S

PSY 111 req.

Behavioral factors related to business and industry. Personnel practices, individual-group interaction, leadership and morale, fatigue and safety, and consumer behavior.

231 EXPERIMENTAL PSYCHOLOGY 3 F,S

PSY 111 req.

Philosophy of science and inquiry with emphasis on experimental methodology and some application of principles through laboratory experimentation and demonstration.

232 PERSONALITY 3 US-5 F,S

PSY 111 req.

Representative personality theories and how they interact in today's society with normal and pathological patterns and the modification of these patterns.

234 INTRODUCTION TO PSYCHOLOGICAL TESTING 3 F,S

PSY 111 req; not for cr maj.

Survey of psychological tests and testing principles with applications to the Special Education classroom.

240 STATISTICS I 3 F,S

PSY 111 or SOC 106, and MAT 119 or 120 or 144 req. Not for cr if had SOC 240 or 275.

Application and interpretation of basic statistics used in the behavioral sciences: descriptive statistics, simple hypothesis testing and two-variable regression.

247 CHARACTERISTICS OF LD/BD/EMH IN CHILDREN AND ADOLESCENTS 3 F,S

PSY 111 req. No cr if had PSY 347.

Definitions and classification systems for LD, BD, and EMH children and adolescents; labeling; theories of etiology; prevalence; educational and psychological characteristics of the three populations.

290 SPECIAL PROJECTS 1-3 F,S,Summer

Cons dept chair and inst.

Majors in psychology can pursue areas of special interest independently and/or work on special projects. Community as well as University facilities are available.

301 DEVELOPMENTAL PSYCHOLOGY OF CHILDHOOD 3 F,S

PSY 111 req.

Motor, cognitive, and emotional development and personality growth of children, birth through pre-adolescence.

302 DEVELOPMENTAL PSYCHOLOGY OF ADOLESCENCE 3 F,S*PSY 111 req. May Incl Clin Exp.*

Motor, cognitive, and emotional development and personal growth of the adolescent.

303 ADULT DEVELOPMENT AND AGING 3 F*PSY 111 req.*

Physical, cognitive, and personality development during adulthood, with emphasis on theories, empirical data, research methods, and current issues.

304 GERONTOLOGICAL PSYCHOLOGY 3 S*PSY 111 req.*

Psychological aspects of developmental transformations occurring during later adulthood. Application of psychology to problems of aging.

305 PSYCHOLOGY OF WOMEN 3 F,S*PSY 111 req.*

Psychological research to place in scientific perspective the etiology and behavioral consequences of female and male-oriented attitudes.

320 HISTORY AND SYSTEMS OF PSYCHOLOGY 3 S*12 hrs of PSY req.*

Historical antecedents of modern psychology, beginning with Aristotle. Examination of modern psychology from a systematic point of view.

331 STUDIES IN EXPERIMENTAL PSYCHOLOGY 3 F,S*PSY 231, 240, or cons inst req. PSY maj only. May be repeated if content different.*

Individualized research course focusing on particular content areas. Sections concentrate in different areas.

333 PRINCIPLES OF BEHAVIOR MODIFICATION 3 F,S*PSY 111 req.*

Principles of behavior modification with an emphasis upon their use in a variety of educational and clinical settings.

334 PSYCHOLOGICAL MEASUREMENT 3 F,S*PSY 111 req.*

Selection, evaluation, and interpretation of psychological tests, with emphasis on basic theory. Tests are considered as indicators of constructs in specific decision situations.

341 STATISTICS II 3 F,S*PSY 240 req.*

Logic of statistical inference: interval estimation, complex hypothesis testing, and non-parametric techniques. Applications in behavioral sciences.

345 COMPUTER APPLICATIONS IN PSYCHOLOGY 3 F,S*PSY 240 and MAT 120 or 144 req. PSY maj only or cons dept chair. Compucard charge optional.*

Application of computer technology to psychology. Special emphasis is placed on the use of computer statistical packages to analyze psychological data.

346 PSYCHOLOGY OF EXCEPTIONAL CHILDREN 3 F,S*PSY 112 or 232 or 301 or 302 or C&I 210 or cons inst req. May Incl Clin Exp.*

Socio-psychological factors influencing the exceptional child's cognitive and affective development with implications for those working with exceptional children.

347 BEHAVIOR DISORDERS IN CHILDREN 3 F,S*PSY 111 req.*

Medical, psychological, sociological aspects of behavioral disorders of children.

350 PSYCHOPATHOLOGY 3 F,S*PSY 111 req.*

Behavior disorders; neuroses, psychoses, character disorders, mental deficiencies, and other psychopathological conditions.

360 LEARNING 3 F,S*PSY 111 req.*

Experimental data bearing on the problem of learning; learning theory; learning data and theory in relation to applied problems.

361 PERCEPTION 3 F,S*9 hrs of PSY or cons inst req.*

Cognitive processes and their relationship to other processes. Relationship of sensation, attention, and memory to perception and factors influencing perception.

363 PHYSIOLOGICAL PSYCHOLOGY 3 F,S*9 hrs of PSY and BSC 100 or cons inst req.*

Neurophysiological and biochemical substrates of behavioral processes including sensori-motor, perceptual, motivational, emotional, and intellectual behaviors.

364 MOTIVATION 3 F,S*9 hrs of PSY or cons inst req.*

Evolution of basic concepts leading to contemporary explanation of determiners of action with application to vocational, social, and educational areas.

365 DYNAMICS OF SOCIAL BEHAVIOR 3 F,S*PSY 131 req.*

An overview of the explanations for various aspects of social behavior, e.g., interaction, attitudes, person perception, etc.

366 COGNITIVE PSYCHOLOGY 3 F,S*9 hrs of PSY, and PSY 231 or cons inst req.*

Information processing analysis of perception, attention, memory, language, and thinking.

375 PERSONNEL PSYCHOLOGY 3 F,S*PSY 230 or 334 or cons inst req.*

Procedures and methods used to match individual skills and abilities to the requirements of specific jobs; emphasis is on personnel selection.

376 ORGANIZATIONAL PSYCHOLOGY 3 F,S*PSY 230 or cons inst req. Not for cr if had MQM 221 or 421.*

Research methods and results concerning social psychology of work organizations. Descriptions of practices in organizational psychology.

392 SENIOR SEMINAR 3 F,S*Sr standing; PSY maj only.*

Detailed study of specific areas within the discipline.

398 PROFESSIONAL PRACTICE: PSYCHOLOGY 1-6 F,S,Summer*15 hrs in PSY; jr/sr standing. 2.5 major GPA. No cr maj/min. May be repeated for different experience; 3 cr hrs per placement.*

SOCIAL WORK (SWK)

Chairperson: Mary Cunningham.

Tenured/Tenure-track Faculty:

Professor: Smith.

Associate Professors: Campbell, Cunningham, Howard.

Assistant Professors: Cummins, Davidson, Hamilton, Holland, Madrigal, Sullivan.

Other Faculty:

Lecturer: Crook, Chiodo, Gibson, Sevel.

Administrative/Professional: Crowell.

Social Work Program

Degrees Offered: B.A., B.S.

MAJOR IN SOCIAL WORK

- 58 hours required, including 21 hours in Foundation courses (5 hrs of which are University Studies courses) and 37 hours in Core courses in Social Work.
- 21 hours req in Social Work Foundation courses: SWK 131, 264, 275, 332, PSY 111 (US 5), 350, BSC 145 (US 7).
- 37 hours required in Social Work Core courses: SWK 221, 222, 223, 315, 325, 335, 345, 391, 398.10, 398.11.
- Suggested electives include BSC 100; CJS 10; C&I 312; PHI 138; POS 105, 215, 264; PSY 112, 232, 301, 302, 333; SOA 106, 107, 260, 261, 262, 263, 271, 272, 342, 366; SWK 160, 323; SED 109; or other relevant courses selected in consultation with the student's Social Work advisor.
- The Baccalaureate Degree in Social Work is accredited by the Council on Social Work Education. The primary objective of the Major is to prepare entry-level professional social work practitioners.

Admission to the Social Work Program: Students may declare a Major in Social Work upon admission to the University or any time prior to completing 30 semester hours. The admissions process is a prerequisite for SWK 398.10 and must be completed before the senior year. In order to be accepted into the Social Work Department, students are required to make formal application to the Social Work Chairperson during or shortly after the semester in which the student completes his/her 45th semester hour. To be accepted into the program, the student must have satisfied the following requirements:

1. 45 hours with at least a 2.5 overall GPA.
2. SWK 221 with a "C" or better.
3. Successful completion of at least 100 clock hours of volunteer or paid work experience in an appropriate social welfare agency within two years of admission to the program.

Exemptions from the grade point requirement may be made for students who demonstrate potential for academic success in social work. Exceptions are granted upon the recommendations of the Social Work Admission Committee and the Chairperson of the Social Work Program. Students with a 2.25 GPA may be accepted if they have earned at least a "C" in English 101. If they have earned less than a "C" in English 101, they must earn at least a "C" in either English 145 or Business 215 before being admitted into the program.

Social Work Courses

160 INTERNATIONAL SOCIAL WELFARE 3 F,S

A cross-national study of basic social welfare services in developing nations. Food, income, housing, health, and social services in 3 third-world countries.

170 SURVEY OF SOCIAL WORK AND SOCIAL WELFARE 3 US-7 F,S

Not for cr maj/min.

Survey of the profession of social work and the institution of social welfare in contemporary United States.

221 INTRODUCTION TO SOCIAL WELFARE 3 F,S

SOC 106 and PSY 111 rec.

The historical development of social welfare as an institution and the impact of social, economic factors, and the ideological systems on social welfare laws, policies and programs. Includes the development of the social work profession from selected social movements.

222 SOCIAL WELFARE POLICY AND SERVICES 3 F,S

SWK 221 req.

Descriptive, analytical, and critical analysis of social welfare programs, policies, and issues.

223 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT 3 F,S

The integration of major concepts from the social and behavioral sciences in terms of their relevance for social work.

315 SOCIAL WORK RESEARCH 3

SWK 221 or conc req. Maj only or cons dept advisor.

The application of theories and skills of research to social work practice with individuals, families, groups, communities, and organizations.

323 CHILD WELFARE SERVICES 3 F,S

SWK 222 rec or SED or HEC maj.

Recommended before SWK 398.10 if student wishes placement in a child-serving agency. Services for dependent, neglected, abused, and handicapped children and their families.

325 SOCIAL WORK METHODS I 3 F,S

SWK 221, 223 or conc reg req. Lecture and lab. Maj only or cons dept advisor.

Basic theory, values, and beginning skills development generic to social work practice with a focus on the interpersonal helping process.

335 SOCIAL WORK METHODS II 3 F,S

SWK 325 or conc reg req. Maj only or cons dept adv. Lecture and lab.

Continuation of methodology and skills in social work practice, focusing specifically on knowledge, principles, techniques, and approaches to effect change in small groups and families.

345 SOCIAL WORK METHODS III 3 F,S

SWK 325 or conc reg req. Maj only or cons dept adv.

Social work practice with neighborhoods, communities, and human service agencies, including program planning, administration, supervision, and evaluation.

391 SENIOR SEMINAR IN SOCIAL WORK 2 F,S

SWK 222 and 325 req. Maj only or cons dept adv.

Selected topics relevant to the social work profession and to the integration of previous social work courses.

**398.10 PROFESSIONAL PRACTICE:
SOCIAL WORK FIELD
INSTRUCTION
AND SEMINAR I****6 F,S**

SWK 315 and 335 req. Sr standing and formal admission to SWK maj req. Maj only or cons dept adv. Formerly SAS 368. Materials charge optional.

Supervised field instruction and practice in social work methods with individuals, groups, and communities in a social welfare agency. Course includes a weekly, campus-based, faculty-led seminar integrating theory and practice.

**398.11 PROFESSIONAL PRACTICE:
SOCIAL WORK FIELD
INSTRUCTION
AND SEMINAR II****8 F,S**

C or better in SWK 398.10 req. Formerly SAS 378.

Advanced supervised field instruction and practice in social work. Setting usually the same as in SWK 398.10 but experiences are more diverse and complex. Integrates theory and practice with emphasis on the student as a professional social worker.

**SOCIOLOGY -
ANTHROPOLOGY (SOA)**

338 Schroeder Hall, (309) 438-8668

Chairperson: Robert Walsh.

Tenured/Tenure-track Faculty:

Sociology: Professors: Heyl, Leonard, McKinney, Rau, Schmitt, Schollaert, Sprecher, Stivers, Thomas, Tolone, Walsh.

Associate Professors: Eaton, Ervin, Griffin, Maroules, Treadway, Wortham.

Assistant Professors: Gershick, Toro-Morn, Wazienski.

Anthropology: Professors: Dirks, Nickels.

Associate Professor: Orser.

Assistant Professors: Giles, Skibo, Stanlaw.

Other Faculty:

Sociology: Lecturers: O'Sullivan.

Administrative/Professional: Orser, Pyne.

Sociology Programs

Degrees Offered: B.A., B.S

Academic Policy: To graduate with a Sociology Major, students must earn a grade of "C" or better in each of the 3 required upper-level courses, SOC 270, 271, 275, and 300.

Concentrations: The Sociology Program has identified several departmental concentrations that can be useful in planning the student's academic program. Students majoring in Sociology may elect (but are not required to elect) a concentration in Deviance; Health and Aging; Human Sexuality; Social Psychology; Institutions and Socialization; Inequality and Social Movements; Organizations and Occupations; or Demography and Urban. Selecting a concentration is helpful for focusing on specific career objectives. Although no specific courses are required for these concentrations, recommended courses for each are listed below:

1. Deviance: Courses required for Major plus SOC 263, 365, and 367.
2. Health and Aging: Courses required for Major plus SOC 210, 211, 212, and 311.

3. Human Sexuality: Courses required for Major plus SOC 123, 342, and 343.
4. Social Psychology: Courses required for Major plus SOC 131, 332, and 366.
5. Institutions and Socialization: Courses required for Major plus SOC 262, 268, 317, and 350.
6. Inequality and Socialization: Courses required for Major plus SOC 260, 264, 341, and 366.
7. Organizations and Occupations: Courses required for Major plus SOC 255, 352, and 355.
8. Demography and Urban: Courses required for Major plus SOC 261, 267, and 361.

For further information see the Sociology Program academic advisor.

MAJOR IN SOCIOLOGY

— 30 hours in Sociology required and 18 hours in related fields.

Admission to the Sociology Major may be effected and restricted by the lack of available Department resources in times of oversubscription.

— Required courses: SOC 106, 270, 271, 275, 300 and electives to complete 30 hours; at least 18 additional hours in the social-behavioral sciences of Anthropology, History, Economics, Philosophy, Political Science, and Psychology, with at least 3 hours in Anthropology, Economics, and Psychology and not more than 6 hours in any one field counted toward the 18-hour requirement. No Anthropology course may be counted toward the 30 hours in Sociology electives required for the Major.

MAJOR IN SOCIAL SCIENCES

The Major in Social Sciences is administered in the Department of History in cooperation with the Departments of Sociology-Anthropology; Economics; Geography, and Political Science. For further information see Social Sciences Programs.

MINOR IN SOCIOLOGY

- 18 hours in Sociology required.
- Required course: SOC 106. No Anthropology course may be counted toward the 18 hours in Sociology required for the Minor.

MINOR IN SOCIOLOGY**For Teacher Education:**

- 24 hours required.
- Required courses: SOC 106. No Anthropology course may be counted for the 18 hours in Sociology required for the Minor. Other suggested coursework may include SOC 123, 262, 264, 211.
- 18 hours in Sociology required, and an additional 6 hours in Social Science.
- Junior High School Endorsements Earned: Social Science* Junior High School Endorsement since the requirements total 18 hours in Sociology.
- High School Endorsement Earned: Sociology High School Endorsement since the requirements total 18 hours in Sociology and an additional 6 hours in Social Science*.

*Social Science includes the following areas: Anthropology (other than Physical Anthropology), Civics/Political Science, Economics, Geography (other than Physical Geography), U.S. History, Sociology, and World History.

MINOR IN GERONTOLOGY

Interdisciplinary Minor, Further Information: Contact David Eaton, Gerontology Coordinator, Department of Sociology - Anthropology.

- 21 hours required.
- Required courses (9 hrs): SOC 211, PSY 304 (Gerontological Psychology), HEC/HSC 394.
- Electives (12 hrs) approved by the Gerontology Committee. Students without direct work or extensive volunteer experience with older persons will be advised to register for approved Professional Practice (SOC 398.01, 3-6 hrs) as a part of the elective requirement. Other electives include but are not limited to: HPR 274; SOC 210, 212, 311.

Anthropology Programs

Degrees Offered: B.A., B.S.

MAJOR IN ANTHROPOLOGY

- Minimum of 33 hours in Anthropology required.
- Required courses (24 hrs): ANT 180, 181, 182, 274, 281, 286, 380, 382.
- Electives (9 hrs) selected from other Anthropology courses.

Students will be advised in individual consultation to take a number of supporting courses in cognate disciplines. The program in cognates may emphasize either the social sciences or the natural sciences, reflecting the student's primary interest in physical anthropology, cultural anthropology, or archaeology. All Anthropology majors are strongly encouraged to take, ENG 145 as part of their undergraduate curriculum. No Sociology course may be counted toward the 33 hours in Anthropology required for the Major.

MAJOR IN SOCIAL SCIENCES

See description listed under Sociology Programs.

MINOR IN ANTHROPOLOGY

- 18 hours in Anthropology required.
 - Required courses: ANT 180 or 184, 181, 182.
- Additional Anthropology electives will be recommended on an individual basis. No Sociology course may be counted toward the 18 hours in Anthropology required for the Minor.

MINOR IN ANTHROPOLOGY**For Teacher Education:**

- Program requirements are the same as those listed for the Minor in Anthropology.

Sociology Courses**106 INTRODUCTION TO SOCIOLOGY 3 US-5**

Structure and dynamics of human society. Concepts of culture, socialization, stratification, collective behavior, family, minority relations, population, crime.

107 SOCIAL PROBLEMS 3 US-5

SOC 106 rec.

The nature, social definition, and interrelationship of social problems. Selected topics may include aspects of societal problems and deviant behavior.

123 HUMAN SEXUALITY 3 US-7

SOC 106 or PSY 111 rec. Not for cr if had PSY 123.

Basic psychological, socio-cultural, and physiological elements of human sexuality.

131 SOCIAL PSYCHOLOGY 3 US-5

SOC 106 or PSY 111 rec. Not for cr if had PSY 131.

The scientific study, from a sociological perspective, of the attitudes and behavior of individuals in the group setting and interaction between individuals and groups.

210 SOCIOLOGY OF HEALTH AND MEDICINE 3

SOC 106 rec.

Analysis of social roles related to disease and illness; social aspects of distribution of disease; societal response in health professions and the organization of medicine.

211 SOCIAL GERONTOLOGY 3

SOC 106 or PSY 111 rec.

Process and consequences of aging; interplay between social and social-psychological forces and the aged population in society.

212 SOCIOLOGY OF DEATH 3

SOC 106 or PSY 111 rec.

Complexities of death-related behavior in modern societies; sociological and social-psychological viewpoints; theoretical and pragmatic implications.

255 SOCIOLOGY OF WORK AND OCCUPATIONS 3

SOC 106 req.

Sociological principles applied to the social institution of work.

260 SOCIAL STRATIFICATION 3 F

SOC 106 rec.

Theories and character of social class systems, differential class behavior, mobility, power relationships, and caste and estate systems.

261 THE COMMUNITY 3 US-5

SOC 106 rec.

Structure and function of the community. Changes in community; power, leadership, community organization.

262 MARRIAGE AND THE FAMILY 3

SOC 106 rec.

Sociological and social psychological examination of the patterned and dynamic aspects of marital and family relationships.

263 DEVIANT BEHAVIOR 3

SOC 106 rec.

Causes, societal response and control of deviant behavior. Definition of deviant acts, stigmatization, and the process of reabsorbing deviants.

264 MINORITY RELATIONS 3

SOC 106 rec.

Racial, national, religious minorities, and women. Patterns of discrimination and prejudice, and change in intergroup relations.

267 POPULATION 3 US-5

SOC 106 rec.

Dynamics and policy implications of United States and world population size and change including fertility, mortality, migration, composition, spatial distribution, future trends, and relation to resources.

268 SOCIOLOGY OF RELIGION 3 US-5

SOC 106 rec.

Functions and origins of religion; impact of religion on individual, society, and culture: social forces affecting religion.

270 HISTORY OF SOCIOLOGICAL THOUGHT 3

SOC 106 rec. Maj only or cons dept advisor.

Analysis and appraisal of classical works in sociology from mid-19th century to the present.

271 INTRODUCTION TO SOCIOLOGICAL RESEARCH 3

SOC 106 req. Maj only or cons dept advisor.

Convergence of theory and research; design of inquiry, measurement, survey design, data collection, analysis, and interpretation. Research projects are part of the course.

275 SOCIAL STATISTICS 3

MAT 105 or equiv; SOC 271 or SWK or ANT maj req. SOC 106 req. Not for cr if had PSY 240. Formerly SAS 240.

Application and interpretation of basic descriptive and inferential statistics used in behavioral research. Non-parametric and parametric statistics are considered.

300 SENIOR SEMINAR 3

SOC 270, 271, 275 or conc reg req. SOC maj, sr standing.

Analysis of a major social institution, such as law, morality, or the family in relation to the larger society and its culture.

300.01 SOCIAL SCIENCE SEMINAR 3

SSC maj, jr standing, and 20 hrs of SSC or cons inst or SSC advisor. Also offered as ECO/GEO/HIS/POS/ANT 300.01.

An intensive interdisciplinary study of a selected area in the social sciences, including a research project.

311 ISSUES IN GERONTOLOGY 3

SOC 211 or cons inst req.

Advanced treatment of selected subjects in gerontology.

317 SOCIOLOGY OF SPORT 3

Also offered as HPR 317.

The social institution of sport is examined using such sociological concepts as social organization, culture, socialization, deviance, social stratification, minority groups, and collective behavior.

332 SMALL GROUPS 3

SOC 131 or PSY 131 rec.

Conditions affecting interaction in small groups; the small group as an ongoing social system. Limited research project.

341 SOCIOLOGY OF SEX ROLES 3

SOC 106 or PSY 111 rec.

Application of culture concepts, status, role and self concepts, and socialization concepts toward the explanation of sex differences in social behavior. Institutionalized and social change processes are examined.

342 ADVANCED HUMAN SEXUALITY 3

PSY 123 or SOC 123 req.

Personal, interpersonal, and sociocultural aspects of sexual relationships.

343 SEXUALITY EDUCATION 3

SOC 123 req.

Perspectives, approaches, resources and the development of basic skills in sexuality education.

350 SOCIOLOGY OF EDUCATION 3

SOC 106 rec.

Sociological perspective on educational systems. Relationship of the educational system to other institutions, organizational characteristics and social factors influencing behavior of students.

352 THE SOCIOLOGY OF COMPLEX ORGANIZATIONS 3

SOC 106 req.

Internal and external dimensions of complex organizations that help explain adaptation to the environment.

355 INDUSTRY AND SOCIETY 3

SOC 255 req.

Sociological theories are used to understand how technological advancement influences social forces, and produces unique cultural patterns in modern industrial societies.

361 URBAN SOCIOLOGY 3

SOC 261, or 267, or equiv or cons inst req.

Urban structure and dynamics studied from a macro perspective, stressing interaction of population, organization, environment, and technology.

365 JUVENILE DELINQUENCY 3

Delinquency as a social and legal problem; theories of delinquency, the juvenile court; prevention and treatment.

366 CONTEMPORARY SOCIAL MOVEMENTS 3

SOC 106 rec.

Patterns of collective behavior; structure and functions of social movements. Examination of several social movements, analysis of morale, leadership and control.

367 CRIMINOLOGY 3

Criminological theory and practice. Crime as a social and legal problem. The administration of justice.

398.01 PROFESSIONAL PRACTICE: INTERNSHIP/CO-OP IN APPLIED SOCIOLOGY 3-6 F,S

SOC 271 or equiv rec.

Independent experience in applying sociology in a supervised community work setting. Academic requirements include final paper for sociology advisor based on qualitative research project sociological integrative analysis of the experience.

398.02 PROFESSIONAL PRACTICE: INTERNSHIP/CO-OP IN SOCIOLOGICAL RESEARCH 3 F,S

SOC 240 and 271 or conc reg rec. May be repeated once.

Practical experience in the design, implementation, analysis, and reporting of social science research through surveys, secondary data analysis, demographic analysis and program evaluation in a research project, usually in cooperation with a community agency.

Anthropology Courses

180 INTRODUCTION TO CULTURAL ANTHROPOLOGY 3 US-5 F,S

The origin and evolution of social and cultural life. Concepts and theories used to explain similarities and differences in lifestyles around the world.

181 WORLD PREHISTORY 3 F,S

Survey of prehistoric human cultures from their origins to the beginning of the historic period.

182 INTRODUCTION TO PHYSICAL ANTHROPOLOGY 3 US-3 F,S

Lecture and lab.

Introduction to the evolutionary and biological nature of humans, physical attributes, primate and human evolution, human variation and adaptation, and the interrelationship of human biology and behavior.

184 CULTURES OF THE WORLD 3 US-8 F,S

Not for cr maj.

Surveys a sample of cultures and their solutions to universal human problems.

272 NORTH AMERICAN INDIANS 3 US-8 S

ANT 180 rec.

Comparative survey of selected historic and modern Native American cultures.

273 FOODWAYS 3

SOC 106 or ANT 180 or PSY 111 req.

Comparative study of food habits with emphasis on origins and cultural significance.

274 PRINCIPLES OF ARCHAEOLOGY 3 S

ANT 181 rec.

Principles, methods, and techniques of locating and excavating archaeological sites, interpreting archaeological data, and reconstructing past behavior.

277 LANGUAGE AND CULTURE 3

ANT 180 rec.

Examination of the social and cultural functions of language, applying anthropological linguistic models to the study of past and present cultures.

278 SYMBOLS IN AMERICAN CULTURE 3

SOC 106, ANT 180 or 184 rec.

Introduction to the principles and methods of symbolic anthropology as applied to contemporary American culture.

279 MAGIC, WITCHCRAFT, AND RELIGION 3

SOC 106, ANT 180 or 184 rec.

Overview of anthropological approaches to the cross-cultural study of religion and the supernatural.

281 PRINCIPLES OF ETHNOLOGY 3 S

ANT 180 req.

The major aspects of sociocultural systems such as marriage, domestic organization, age grades, secret societies, and religion studied from a cross-cultural perspective using a variety of theoretical frameworks.

283 NORTH AMERICAN ARCHAEOLOGY 3

ANT 181 or 274 rec.

Prehistoric cultures of North America, from late Pleistocene to the occupation of the continent by Europeans. Origin and development of cultural patterns traced; current problems examined.

284 THE ANTHROPOLOGY OF NATIVE AMERICAN ART 3 US-8 F

Materials charge optional.

Culture-ecology and behavior of historic North American Indian groups as understood from analyses of their art.

285 PRINCIPLES OF ETHNOGRAPHY 3 F

ANT 180 req.

Study of the techniques used to describe cultural practices and beliefs.

286 HUMAN EVOLUTION 3 F

ANT 182 rec.

Detailed survey of the principal fossil discoveries, controversies, and proposed models of human biological evolution.

288 HUMAN VARIATION AND ADAPTATION 3 S

ANT 182 rec. Offered in spring of odd-numbered years. Alternates with ANT 290.

Study of human population variation in terms of biological and cultural adaptations to different environments.

290 PRIMATE STUDIES 3 S

ANT 180 or 182 rec. Offered in spring of even-numbered years. Alternates with ANT 288.

Concentrated examination of various aspects of the primates: their biology, behavior, evolution, and significance for understanding human nature.

292 THE AZTEC AND MAYA CIVILIZATIONS 3 F

ANT 180 or 181 rec.

Examination of two ancient civilizations of Mexico and Guatemala using archaeological and documentary evidence. Social and political organization, economics, history, religion, art, writing, and daily life.

294 JAPANESE SOCIETY AND CULTURE 3

ANT 180 rec.

Examination of modern Japanese culture, social structure, and institutions from an anthropological perspective.

295 PEOPLES AND CULTURES OF SUBSAHARAN AFRICA 3 S

ANT 180 or 184 rec.

An ethnographic survey of African peoples and cultures south of the Sahara, focusing on the indigenous African context.

300.01 SOCIAL SCIENCE SEMINAR 3 F

SSC maj, jr standing, and 20 hrs of SSC or cons inst or SSC advisor. Also offered as ECO/GEO/HIS/POS/SOC 300.01.

An intensive interdisciplinary study of a selected area in the social sciences, including a research project.

306 REGIONAL AND AREA STUDIES 1-9

Directed study in any of the subdisciplines in ANT.

374 INTRODUCTION TO MUSEUM STUDIES 3 F

Jr standing req.

Examination of the history, organization, and administration of museums as well as the methods of acquisition, preservation and exhibition of artifacts.

380 KEY CONCEPTS IN ANTHROPOLOGY 3 F

2 of the following: ANT 274, 281, 286 or cons inst req.

Anthropological thought from historical, systematic and applied viewpoint; emphasis on changing content, concepts, methods of the discipline.

381 ARCHAEOLOGICAL FIELD SCHOOL 1-9 Summer

ANT 181 and 274 rec. Materials charge optional.

Field instruction in methods and techniques of archaeological survey, excavation, preparation and preservation of materials, and record keeping.

382 SENIOR THESIS IN ANTHROPOLOGY 3 S

Sr standing; cons inst req.

Intensive experience in research and writing on an individually selected topic.

383 STUDIES IN SELECTED CULTURES 3*ANT 180 req.*

Culture patterns of selected areas. Physical characteristics, history, social, political, intellectual life, cultural change of aboriginal people.

386 METHOD AND THEORY IN ARCHAEOLOGY 3*ANT 180 req.*

Archeological method and theory from 1800 to the present, emphasizing American archaeology.

388 HISTORICAL ARCHAEOLOGY 3*ANT 274 req.*

Research methods of historical archaeology reviewed, and the principles that underlie the methods examined critically.

398 PROFESSIONAL PRACTICE:**INTERNSHIP/CO-OP IN****ANTHROPOLOGY 3-6 F,S,Summer**

21 hrs in ANT; jr/sr standing; 2.5 maj GPA; cons ANT Prof Pract Coord or faculty advisor. Max 6 hrs toward ANT Maj; max 16 hrs toward graduation.

Supervised field experience in a professional capacity in any Anthropology subdiscipline with appropriate campus, community, state, national, or international agencies, museums, institutes, organizations, or businesses.

SPEECH PATHOLOGY AND AUDIOLOGY (PAS)

204 Fairchild Hall, (309) 438-8643

Chairperson: Martin A. Young.

Tenured/Tenure-track Faculty:

Professors: Hult, Monoson, Tannahill, Young.

Associate Professors: C. Bowman, Brunt, Hufnagle, Smoski.

Assistant Professors: Beck, Howard, Moore, Towne.

Administrative/Professional: Birky, Bowman, Landess-Towne, Pollock, Semanko, Sidak.

Speech Pathology and Audiology Programs

Degrees Offered: B.A., B.S. Programs are accredited by the American Speech-Language-Hearing Association.

MAJOR IN SPEECH PATHOLOGY AND AUDIOLOGY

Teacher Certification Sequence:

- 49 hours in Speech Pathology-Audiology required.
- Required courses: PAS 112, 211, 272, 301, 315, 316, 318, 319, 320, 321, 322, 330, 331, 349, 350, 351.
- Professional Education requirements: SED 145, 220 or 362 or 370 or 374; C&I 210; EAF 228 or 231 or 235; PSY 111, 334, 346.

This is a Teacher Education, preprofessional program designed to prepare students for graduate work in communicative disorders. A master's degree in this field is needed to obtain both the Illinois Certificate in Speech and Language Impaired and the American Speech-Language-Hearing Association's clinical certificate. Copies of requirements for both of these are available in the Department office. All supervised clinical experiences are obtained at the graduate level.

Speech Pathology Sequence:

- 49 hours in Speech Pathology-Audiology required.
- Required courses: PAS 112, 211, 272, 301, 315, 316, 318, 319, 320, 321, 322, 330, 331, 349, 350, 351.
- Consult Department advisor and Department Advisement Manual for selection of appropriate electives that meet the Illinois license and national certification requirements.

This is a non-teaching, preprofessional program designed to prepare students for graduate work in speech-language pathology. This sequence does not qualify students for a teaching certificate. All supervised clinical experiences are obtained at the graduate level.

Audiology Sequence:

- 34 hours required. **NOTE:** Because of prerequisites or lack of prior skill, this Major may require more hours than indicated.
- Required courses: PAS 211, 272, 301, 315, 318, 320, 321, 330, 349, 350, 351.
- Consult Department advisor and Department Advisement Manual for selection of appropriate electives that meet national certification requirements.

This is a *non-teaching*, preprofessional program designed to prepare students for graduate study in Audiology. This sequence does not qualify the student for a teaching certificate. Upon completion of the master's degree, the student will have completed the academic and clinical requirements for the American Speech-Language-Hearing Association's Certificate of Clinical Competence in Audiology. All supervised clinical experiences are obtained at the graduate level.

MINOR IN SPEECH PATHOLOGY AND AUDIOLOGY

- 21 hours required.
- Required courses: PAS 211, 315, 320, 350. Electives cannot include practicum courses.

Students taking this Minor will not qualify in this area for Illinois or American Speech-Language-Hearing Association certification.

Assessment: Because the Board of Regents has mandated that academic departments engage in self study and the measurement of student progress, majors in Speech Pathology and Audiology are expected to participate in the assessment process as one of the requirements for an undergraduate degree in this Department.

HONORS IN SPEECH PATHOLOGY AND AUDIOLOGY

Honors work in communicative disorders and speech and hearing science is available to qualified students. For additional information, contact the Department advisor.

Speech Pathology and Audiology Courses

112 SURVEY OF SPEECH AND HEARING DISORDERS 3 F,S *Incl Clin Exp.*

Introduction to speech, language and hearing disorders. Appropriate for persons interested in the prevention and basic remediation of communication disorders.

115 INTRODUCTION TO HUMAN VERBAL DEVELOPMENT 3 US-7 F,S

The communication process; emphasis on opportunities for maximum stimulation of speech and language development in children.

211 PHONETICS 3 F,S*Incl Clin Exp.*

Sound system of American speech. Standard and non-standard variations. Articulatory and acoustic considerations. Practice in transcribing and reading phonetic symbols.

272 ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM 4 F,S*Lecture and lab.*

Anatomic and physiologic foundation of the speech and hearing mechanism. Current physiologic theory applied to etiology of speech and hearing disorders.

301 SPEECH SCIENCE 3 F,S
PAS 272 req.

Elementary acoustical theory with application to the study of speech production and reception. Speech spectrography.

310 NEUROBASIS OF SPEECH AND LANGUAGE 3 F,S
PAS 272, 301 or equivalent or cons inst req.

Study of the anatomy and physiology of the central and peripheral nervous systems and their role in the production of speech and the normal comprehension and expression of language.

315 INTRODUCTION TO PHONOLOGICAL DISORDERS 3 F,S
PAS 211 or conc reg req. Incl Clin Exp.

Orientation to speech pathology profession. Introduction to articulation problems.

316 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH 3 S
PAS 272 and 301 req. Incl Clin Exp.

Speech disorders related to respiratory-laryngeal and articulatory-resonance systems. Diagnostic and remedial procedures.

318 ORGANIZATION OF SPEECH, HEARING AND LANGUAGE PROGRAMS 3 F,S
Sr standing req.

Professional attitudes, ethics, and organizations. Responsibilities in various professional settings. Program development and maintenance.

319 STUTTERING I 3 F,S
Sr standing req. Incl Clin Exp.

Theories of etiology,; the nature of the disorder, profile of the person who stutters, and an introduction to intervention strategies. Incl Clin Exp.

320 SPEECH AND LANGUAGE DEVELOPMENT 3 F,S
Incl Clin Exp.

Comprehensive study of acquisition of speech and language by children. Emphasis on first 6 years.

321 LANGUAGE PATHOLOGY 3 F,S
PAS 320 req. Incl Clin Exp.

Introduction to the identification and remediation of language disorders in children and adolescents.

322 INTRODUCTION TO ORGANIC DISORDERS OF SPEECH II 3 F
PAS 310 req. Incl Clin Exp.

Speech and language disorders related to neurological pathologies. Diagnostic and remedial procedures.

330 INTRODUCTION TO CLINICAL METHODS 3 F
PAS 331. Maj only. Incl Clin Exp.

Introduction to clinical techniques and client management. Records, reports, behavioral observation and assessment, therapy procedures and some laboratory experience.

331 DIAGNOSTIC PROCEDURES IN SPEECH PATHOLOGY 3 S
PAS 315 and 321 req. Maj only. Incl Clin Exp. Formerly PAS 446.

Test materials and procedures for differential diagnosis of speech and language problems.

349 HEARING SCIENCE 3 F,S
Introduction to concepts, theories, and terminology required for an understanding of auditory processing in the normal-hearing individual.**350 INTRODUCTION TO AUDIOLOGY 3 F,S**
Incl Clin Exp.

Principles of hearing measurement: sound, human ear, test methods, hearing losses, screening methods, test interpretation.

351 INTRODUCTION TO AURAL REHABILITATION TRAINING 3 F,S
Incl Clin Exp.

Principles of habilitation/rehabilitation of communication disorders related to hearing impairment. Visual/auditory speech signals. Amplification: function/use.

360 AUGMENTATIVE COMMUNICATION FOR NON-SPEAKING PERSONS 3 F
Incl Clin Exp.

Introduction to assessment, intervention strategies, technology and research questions for non-speaking individuals.

COLLEGE OF BUSINESS

Dean: Robert W Jefferson, 316 Williams Hall.

Objectives: The mission of the College of Business is to provide high quality undergraduate and graduate business programs, support research and scholarly activity consistent with such programs, and establish mutually productive relationships with the business community.

The College offers programs leading to the bachelor's degree with majors in Accounting, Administrative Systems and Office Technology, Management, Marketing, Finance, Business Administration, International Business, and Business Education. Minor programs are also available. All programs in the College of Business are accredited by the American Assembly of Collegiate Schools of Business.

The College also offers graduate programs leading to the Master of Science in Accounting and Master of Business Administration. Detailed information concerning these programs may be found in the *Graduate Catalog*.

With careful planning and coordination between colleges and departments, qualified students may complete an undergraduate nonbusiness major and a Master's of Business Administration in five years.

Departments in the College of Business are: Accounting; Business Education and Administrative Services; Finance, Insurance and Law; Management and Quantitative Methods; and Marketing.

ADMISSION POLICY

Students will be admitted into majors in the College of Business from the pool of qualified applicants for that major on the basis of individual qualifications. The number of students admitted into specific programs and the criteria required for admission may vary from year to year depending on program capacity and qualifications of students in the pool. The College of Business reserves the right to maintain a balanced enrollment.

- A. Freshmen must meet, as a minimum, the University admission requirements which, for this Catalog, are: No minimum ACT required for students in the top quarter of their high school class; an enhanced ACT score of 17 if they are in the second quarter of their high school class; and, 23 for those in the third quarter. It is recommended that students have two years of the same foreign language.
- B. Transfer students must meet the University admission requirements for transfer students.
- C. Students transferring from other majors in the University may choose a College of Business major of their choice if their GPA at Illinois State University is 2.0 or higher.
- D. Students may continue in their chosen major in the College of Business if they achieve the following in an interim assessment of their academic preparation.
 - Complete all of the following tool courses with a grade of "C" or higher and achieve a 2.0 GPA in these 8 courses: ENG 101; ECO 101, 102; MAT 121 or 145; MQM 100 or ECO 131; ACC 131, 132, and 166. Students planning to complete the Business Education

Major must complete BEA 140, Business Communications, instead of MAT 121.

- Complete 9 hours of 200-level business courses chosen from BEA 240; FIL 208, 240; MKT 230; MQM 220 with a minimum of a "C" in each and a 2.0 GPA in these 9 hours. Selection of the courses varies by major and must be approved by the major advisor.
- Accounting majors also must complete ACC 230 and 231 with a minimum of a "C" in each and a 2.5 GPA in these 2 courses.
- Business Education majors should note that they must be admitted to the Teacher Education Program which requires a 2.5 GPA to complete the Major.
- Students must have a 2.0 GPA or above at Illinois State University.
- Students who do not meet the above stated criteria will not be permitted to continue in additional business courses without permission of the College of Business.

Academic Policies: The academic policies of the University apply to all of the programs in the College of Business. In addition, the following special academic requirements apply to all students in the College of Business:

1. Students must complete at least 42 hours of the total 120 hours required for graduation in studies other than business, economics, and administration.
2. Students majoring in business must complete their senior year (30 credits) in residence at Illinois State University. Under unusual circumstances, the Dean of the College of Business may grant a modification of this requirement.
3. Students must take courses and their prerequisites in the required sequence.
4. Students may, during the preregistration period only, enroll in a 200-level course in the College of Business with less than 60 hours if 60 hours will be completed when the course begins. A 300-level course requires a minimum of 60 hours earned toward the baccalaureate degree at the time of such pre-enrollment.
5. To remain in and receive credit for an upper division course a student must have earned at the time the course begins a minimum of 60 hours of credit for a 200-level course and a minimum of 75 hours of credit for a 300-level course.
6. Students who go on probation a second or subsequent time will be dropped from the College of Business.
7. Students-at-large and unclassified students must apply for permission from the College of Business to register for business courses. Such students will be required to furnish official transcripts which show the prerequisites for the courses in which the student is asking for permission to enroll. Some courses in the College have restricted and/or limited enrollments and thus may not be open to students-at-large.
8. A student may register officially for a given course in the College of Business only twice. That is, if a student completes a course or drops a course after the tenth day enrollment report, he or she may enroll officially in that course one additional time. A student who earns a grade (A, B, C, D, F, WX) in an Illinois State University course cannot transfer the equivalent course from another school.

Transfer Policies: In addition to the general requirements of the University and the College, the following requirements apply to transfer students from other academic institutions seeking a Business degree:

1. Credit for business and related courses from 2-year institutions may be transferred and applied to the business core and to the major program but shall be limited to such courses that the College of Business offers at the 100- (lower division) level (freshman and sophomore).
2. Credit for business and related courses from baccalaureate degree granting institutions may be transferred and applied to the business core and to the major if the course for which the credit is being transferred is at the equivalent level of the comparable course at Illinois State and course content and prerequisites are determined to be equivalent.
3. In cases where equivalency of courses is not clear, departments in the College of Business may require proficiency examinations before transfer credit is accepted.

Non-Business Majors: Non-business majors are limited to no more than 25 percent (30 credits) of their coursework in business. Students who desire to elect more than 24 hours in business courses must register for additional courses in person only and with permission of the College of Business advisor.

Course Requirements for Business Programs: The courses listed below (39 hrs total) are a required part of the business core and must be completed by all students majoring in business programs.

| | |
|---------|--------------------------------------|
| ACC 131 | Elementary Accounting I |
| ACC 132 | Elementary Accounting II |
| ACC 166 | Business Data Processing |
| BEA 240 | Business Report Writing |
| FIL 208 | Legal Environment of Business |
| FIL 240 | Business Finance |
| MKT 230 | Intro to Marketing Management |
| MQM 100 | Business and Economic Statistics |
| MQM 220 | Business Organization and Management |
| MQM 227 | Production Management |
| MQM 385 | Problems in Business |
| ECO 101 | Principles of Microeconomics |
| ECO 102 | Principles of Macroeconomics |

Majors in Business Education take alternate courses to meet the requirements for BEA 240 and MQM 227 as specified under each program's requirements.

International Business

Program Director: Joel D. Nicholson, International Business Programs, 301 Williams Hall, 5500 College of Business.

Degrees Offered: B.A., B.S.

The Baccalaureate Program in International Business is designed to provide a specialized curriculum for students interested in business who wish to prepare themselves for international careers within multinational corporations. This interdisciplinary program, administered by the College of Business, combines coursework in general and international business, foreign language, and area studies. Through a specific concentration (i.e., in Marketing, Management, Finance, etc.) the program gives students a fundamental understanding of a functional area of business. Four specifically required International Business courses provide solid exposure to the unique dynamics of doing business across multiple national boundaries. Area studies and foreign lan-

guage requirements provide students with supporting exposure to international studies and culture, important elements in International Business. Supporting study abroad opportunities further enhance students' international experience.

The International Business Program is divided into a common Business core applicable to all students, the International Business core, the Foreign Language requirement, a concentration in a functional area, and area studies requirements. Sixty hours of coursework must be taken outside of the College of Business.

MAJOR IN INTERNATIONAL BUSINESS

- Required courses: General Business Core: ACC 131, 132, 166; ECO 101, 102; MAT 121; BEA 240; FIL 208, 240; MKT 230; MQM 100, 220, 227, 385.
- Required courses: International Business: INB 190; MKT 238; MQM 350; FIL 344.
- International Business Electives: Select 2 of the following courses: ACC 340; ECO 345; FIL 312; BEA 345; INB 245 or 287.
- Foreign Language requirement: All students must take at least 2 language courses at least through the 116-level, regardless of level of proficiency (proficiency credit may not be used in the major).
- Business Functional Area Concentration Requirement: 3 additional courses in any one of the following areas: Finance, Management, Marketing, Business Information Systems, Accounting, and ASOT. These courses must be from a list recommended by the department involved.
- Area Studies Requirement: 2 courses from 2 departments such as Geography, Political Science, History, and Interdisciplinary Studies. Possible electives include: ECO 210, 310; ENG 110, 122, 219, 388; GEO 135, 150, 230, 240, 245, 255; HIS 102, 125, 126, 127, 228, 229, 232, 234, 236, 237, 260, 263, 275, 279, 342, 344, 345, 361, 362, 366, 375; IDS 103, 104, 107, 110, 189; PHI 207, 208; POS 141, 145, 151, 241, 242, 246, 247, 254, 263, 344, 345, 347, 348, 354.

MINOR IN INTERNATIONAL BUSINESS

A minor in International Business is only available to students who major in the College of Business.

- 22 hours required.
- 9 hours to be chosen from ACC 340; BEA 345; FIL 312, 344; INB 245; MKT 238; MQM 350.
- 4 hours required in Foreign Languages at least at the 115-level; 9 hours of approved area studies electives from at least 3 departments. Possible electives are listed under Area Studies Requirements in the International Business Major.

BUSINESS STUDY ABROAD

The College of Business has partner institutions in England, Mexico, France, and Germany. The College sponsors its own four to six week group study abroad programs in each of the four countries. Individual semester and academic year study abroad options are available in a larger number of countries. Students should consult the International Business advisor for the transfer of credit earned at individual semester and academic year abroad programs.

The intensive group programs run by the College during the summer are conducted in English at the partner universities. For these programs, students earn six credits for two courses (INB 245, Business Studies Abroad, and IDS 189, Interdisciplinary Studies).

The College's partner universities abroad are:

The University of the West of EnglandBristol, England
 Instituto Tecnológico y de Estudios
 Superiores de Monterrey (ITESM).....Queretaro, Mexico
 Ecole Supérieure d'Agriculture (ESA).....Angers, France
 Universität Gesamthochschule
 PaderbornPaderborn, Germany

International Business Courses

190 INTRODUCTION TO INTERNATIONAL BUSINESS 3

*Soph standing and ECO 101 (microeconomics) or ECO
 102 (macroeconomics).*

Provides basic knowledge of theory and practice in International Business; lays the foundation for specialized upper division courses in International Business.

245 BUSINESS STUDY ABROAD up to 6 hours Summer

*Jr standing; cons coord req. 3 hours may count as Major
 elective in the areas of BEA, FIL, INB, MQM, MKT.*

Encompasses any studies related to College of Business Summer Studies Abroad.

ACCOUNTING (ACC)

435 Stevenson Hall, (309) 438-7651

Acting Chairperson: Lee Graf.

Tenured/Tenure-track Faculty:

Professors: T. Duffy, Fish, Lammers, Rexroad, Rozanski, Sanderson.

Associate Professors: C. Craig, T. Craig, Leinicke, McClure, McKean, Patten, Razaki, Sieg.

Assistant Professors: Crampton, W. Duffy, Love, Linton, Neumann, Ostrosky, Sarathy.

Other Faculty:

Lecturers: Fuller, Oman, Smith, Toepke.

Accounting Programs

The mission of the Department of Accounting is to provide high quality educational programs to students preparing for professional careers in accounting and business information systems, to support research and other scholarly activities consistent with these programs, and to establish mutually productive relationships with outside organizations through service activities. This mission includes providing service courses in the accounting and business information systems areas to students within the college, the University, and the Community.

Degree Offered: B.S.

The curriculum is designed to provide students with the common body of knowledge established by the accounting profession for those entering the profession.

Two sequences of study are offered: a Financial Accounting Sequence and a Business Information Systems Sequence. Each sequence is intended to provide its graduates with the necessary foundation for a successful career, including the ability to pass professional examinations.

Students should select a sequence based upon their interests and career goals. Department advisors and faculty members are available to counsel students as they make this decision.

All Accounting majors must complete at least 42 hours outside the College of Business and in subject areas other than business, economics, and administration as part of the 120 hours required for graduation.

Courses completed in the Department of Accounting at this University with grades below "C" will not count toward the graduation requirements of either the Accounting Major or Minor, but all grades of "D," "F," and "WF" in Accounting courses at this University will be included in computing the cumulative GPA.

MAJOR IN ACCOUNTING

An Accounting major must complete requirements under one of the following sequences.

Financial Accounting Sequence: This Sequence is designed to meet the minimum formal requirements for a student to sit for the Certified Public Accountant (CPA) examination. Students in this sequence may also prepare to sit for the Certified Management Accountant (CMA) examination and/or the Certified Internal Auditor (CIA) examination.

Students selecting the Financial Accounting Sequence must complete ACC 131, 132, 166, 230, 231, 232, 233, 235, 263, 330; BEA 240; FIL 208, 209, 211, 240; MKT 230; MQM 100, 220, 227, 385; COM 110, 227; ECO 101, 102; MAT 121 or 145 (Note: MAT 120 is a prerequisite for MAT 121).

Also required are 3 hours of upper-division (200- or 300-level) Accounting electives. NOTE: ACC 245 is NOT accepted towards the Major.

Business Information Systems Sequence: This Sequence is designed to prepare students for entry level accounting positions requiring significant training in Business Information Systems. This preparation is particularly valuable in accounting consulting positions, certain auditing positions, and in many progressive industrial positions.

Students selecting the Business Information Systems (BIS) Sequence must complete ACC 131, 132, 166, 230, 231, 232, 233, 235, 261, 266, 330, 362, 366; BEA 240; FIL 208, 240; MKT 230; MQM 100, 220, 227, 385; COM 110, 227; ECO 101, 102; MAT 121 or 145 (Note: MAT 120 is a prerequisite for MAT 121).

NOTE: Students in either sequence who wish to enhance their chances of success on the CPA examination should include in their plan of study the following advanced accounting and business law courses: ACC 334, 336, 337, 375; FIL 209, 211, 375.

Students considering Graduate School should make application to the Master of Science in Accounting Degree Program early in their senior year. Students who previously have completed a baccalaureate degree outside of Accounting should consider making application directly into the Master of Science in Accounting Program.

MINOR IN ACCOUNTING

- 21 hours in Accounting required.
- Required courses: ACC 131, 132, 231, 232.
- 9 elective hours in ACC courses approved by a departmental advisor. NOTE: ACC 245 is not accepted toward the Minor.

Repetition of Courses in Accounting: A student can register officially for an Accounting course only twice. That is, if a student completes a course, or drops a course after the official tenth day enrollment report, he or she may enroll officially in the same Accounting course only one additional time.

Admission Standards: All majors in the Department of Accounting must meet the academic, admission, and transfer policies of the College of Business. Non-majors must have the prerequisites, including the specific number of hours, to enroll in courses in the Department. Certain courses are restricted to Accounting majors only.

Admission to the Department of Accounting is on a competitive basis with preference given to students who have demonstrated an ability to complete successfully the degree requirements. Enrollments in the Department are managed to help assure a high quality educational experience for qualified Accounting majors.

The Department of Accounting reserves the right to maintain a balanced student enrollment.

Accounting Courses

131 ELEMENTARY ACCOUNTING I 3 F,S

Introduction to financial accounting. Examines the nature of accounting, basic accounting concepts, financial statements, accrual basis of accounting, the accounting cycle, monetary assets, inventories, fixed assets, current and noncurrent liabilities, and owner's equity.

132. ELEMENTARY ACCOUNTING II 3 F,S ACC 131 req.

Introduction to managerial accounting. Examines the nature of cost-volume-profit analysis and product costing; investigates budgets and standard costs in planning, control and performance measurements; and employs relevant costs and present value techniques in decision making.

160 COMPUTER PROGRAMMING FOR BUSINESS 3 F,S High school algebra req. Compucard charge optional.

An introduction to the design and development of computer programs for business applications. Emphasis is placed on learning program structure and syntax of a high-level computer language.

166 BUSINESS INFORMATION SYSTEMS 3 F,S BUS maj only. Materials charge optional. Compucard charge optional. Formerly BUSINESS DATA PROCESSING.

Introduction to Business Information Systems concepts and microcomputer software tools designed to improve management productivity.

230 MANAGERIAL ACCOUNTING 3 F,S ACC 132 and MAT 121 req. A min of 2.5 GPA in ACC 131 and 132 req. B or higher in ACC 131 and 132 rec.

Study of managerial accounting concepts in planning, control and decision making. Emphasis on product costing methods, cost drivers, cost-volume-profit analysis, budgets, standard costs, just-in-time implications, relevant costs and capital budgeting decisions.

231 INTERMEDIATE ACCOUNTING I 3 F,S ACC 132 req. A min of 2.5 GPA in ACC 131 and 132 req. B or higher in ACC 131 and 132 strongly rec. Formerly INTERMEDIATE ACCOUNTING.

The study of financial accounting theory and practice relating to monetary assets, inventories, plant assets, intangible assets, current liabilities, contingencies, and stockholders' equity. Present value applications, and preparation of financial statements are examined. The following topics are also overviewed: the environment of financial accounting, the development of accounting standards, and the conceptual framework underlying financial accounting.

232 INTERMEDIATE ACCOUNTING II 3 F,S C or higher in ACC 231 req. Formerly ADVANCED ACCOUNTING.

The study of financial accounting theory and practice relating to the following topics: long-term liabilities, dilutive securities, earnings per share, investments, revenue recognition, accounting for income taxes, pension costs, leases, accounting changes, errors, and the preparation of cash flow statements.

233 FEDERAL INCOME TAXATION 3 F,S ACC 131 or cons dept chair req. Compucard charge optional. Formerly INCOME TAX PROCEDURE.

Study of the basic concepts of federal income taxation as they apply to individuals. Overview of corporate and partnership taxation also provided.

235 AUDITING 3 F,S ACC maj only. C or higher in ACC 231 req.

The CPA profession, including professional ethics and legal liability; professional auditing standards; evidence; internal control; audit programs and procedures; audit reporting; introduction to operational auditing.

261 BUSINESS SYSTEMS ANALYSIS 3 F,S ACC 132 and 166 req. Compucard charge optional.

An introduction to the analysis and design of modern information systems. Systems Development Life Cycle (SDLC) and structured methodologies are emphasized.

263 ACCOUNTING INFORMATION SYSTEMS 3 F,S ACC maj only. ACC 132 and 166 req. Materials charge optional. Compucard charge optional.

An overview of computerized accounting information system analysis, design, and implementation. This includes the characteristics of internal control in a computerized information processing environment. Covers selected advanced electronic spreadsheet concepts.

266 COBOL 3 F,S ACC 166 or equiv req. Not for cr if had ACS 272.

The study of using the COBOL programming language for the purpose of solving business information requests. Emphasizes structured programming concepts, file processing, report creation, data validation and table handling.

298 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION IN ACCOUNTING 1-6 F,S See dept chair for info and cons.

330 ACCOUNTING FOR NON-PROFIT ENTITIES 3 F,S ACC maj only. C or higher in ACC 231 req. Formerly FUND ACCOUNTING.

Examination of accounting and financial reporting principles for nonprofit entities including state and local governmental units, colleges, hospitals, and other nonprofit organizations.

332 ADVANCED MANAGERIAL ACCOUNTING 3 F ACC maj only. C or higher in ACC 230 req.

A study of advanced decision models for managerial planning and control. Topics covered include cost behavior and regression analysis, transfer pricing, operations research techniques, accounting systems and internal control. Behavioral and ethical concepts in management accounting are examined.

334 ADVANCED TAX 3 F,S

ACC 233 or cons dept chair req. Compucard charge optional.

Study of concepts and issues associated with corporate, partnership, estate and gift taxation. Overview of tax research techniques also provided.

336 ADVANCED AUDITING 3 F,S

ACC maj only. ACC 235 req. Formerly AUDITING PROBLEMS.

In-depth analysis of selected advanced topics in auditing, including professional auditing standards, planning, evidence, internal control, statistical sampling, EDP auditing, reporting, integrative audit case, operational auditing.

337 ADVANCED FINANCIAL ACCOUNTING 3 F,S

ACC maj only. ACC 232 req.

Specific emphasis on business combinations and consolidated financial statements. Other topics include partnership accounting, international operations, branch accounting, segment reporting and interim statements.

340 INTERNATIONAL ACCOUNTING 3 S

ACC 132 req.

Examines (1) similarities and differences of accounting principles and procedures between the United States and other countries and efforts at standardizing accounting internationally, and (2) accounting for multinational entities, including consolidation of foreign subsidiaries, evaluation of investment projects, and performance evaluation of foreign operations.

362 ADVANCED BUSINESS SYSTEMS ANALYSIS 3 S

ACC 261 and 366 req. Compucard charge optional.

The analysis, design, development, and implementation of a complete business information system. Directed project approach with formal presentations at the conclusion of each project phase.

366 ADVANCED BUSINESS DATA PROCESSING 3 F

ACC 266 or ACS 272 req. Not for cr if had ACS 372.

Advanced study in the development of computer programs and processing techniques required for business information systems. Systems of programs are developed for both main-frame and microcomputer applications.

370 MANAGEMENT INFORMATION SYSTEMS 3 S

MQM 220; ACC 131, 166 req. MKT 230 and FIL 240 req. ACC 261 or equiv strongly rec. Formerly MQM 370.

Management Information systems with emphasis on the responsibilities of management in the creation, control, and utilization of information systems which support managerial decision making.

375 PROFESSIONAL PROBLEMS 3 S

24 hrs of ACC req; ACC 330, 334, 336, 337, or cons dept chair req. Conc reg allowed for only 2 of ACC 330, 334, or 336. 2.8 overall GPA. Conc reg in FIL 375 rec.

An intensive study of contemporary accounting problems with a strong orientation toward the preparation for the CPA and CMA examinations.

398 PROFESSIONAL PRACTICE: INTERNSHIP IN ACCOUNTING 1-6 F,S

Sr; 2.8 GPA in ACC courses; 2.8 overall GPA and cons internship dir.

On-the-job professional accounting or BIS experience with a sponsoring commercial firm or government organization.

BUSINESS EDUCATION AND ADMINISTRATIVE SERVICES (BEA)

327 Williams Hall, (309) 438-3606

Acting Chairperson: Ralph Wray.

Tenured/Tenure-track Faculty:

Professors: Kaisershot, Grogg, Nappi, Palmer, Varner, Wentling, Winchell, Wray.

Associate Professors: Haynes, Pomerence.

Other Faculty:

Faculty Fellow: Assistant Professor: Bickley.

Lecturers: Dean, Fidler, Hogan, Jefferson, Porter.

Business Education and Administrative Services Programs

Degrees Offered: B.A., B.S., B.S. in Ed.

The Department of Business Education and Administrative Services offers major degree programs in Business Education and Administrative Systems and Office Technology.

The Business Teacher Education Program is developed to comply with teacher certification requirements for the State of Illinois. This program prepares graduates for secondary teaching positions, optional special K-12, as well as for positions in training and development for business and industry.

The Administrative Systems and Office Technology program provides graduates with career opportunities in various administrative systems and office automation positions which include (1) Administrator of Information Management, Administrative Systems Supervisor, (2) Director of Office Automation, (3) Training Director for Information Services, (4) Information Database Manager, (5) Technical Support Specialist, (6) Trainer/Course Designer, (7) Software Specialist, (8) Technical Information Specialist, (9) Computer/Information Systems Consultant, (10) Office Automation Consultant, or (11) Information Center Director. Students should note that:

1. Majors within this Department must meet the academic, admission, and transfer policies of the College of Business. Non-majors must have the prerequisites, including the specified number of hours, to enroll in courses in the Department.
2. At least 42 hours of credit toward the bachelor's degree must be taken outside the College of Business and in subject areas other than business, economics, and administration.
3. While an overall GPA of 2.0 is required for graduation, majors in the BEA Teacher Education Program must have earned a 2.5 GPA for admission to the University's Teacher Education Program (see University-wide Teacher Education Program Requirements in the College of Education section of the Catalog for further information). Business Education majors must have a minimum 2.5 GPA in order to be eligible to student teach.
4. For the BEA Teacher Education Program, minimum clinical experiences totaling 35 clock hours shall be completed in the Department prior to student teaching. Several courses in the Department include clinical experiences; however, it is not necessary to complete all of these courses to satisfy this requirement.
5. Students shall plan programs in consultation with an advisor.
6. Students desiring vocational education certification are required to complete BEA 380 and 382.

Business Education Programs

MAJOR IN BUSINESS EDUCATION

- 91 hours required, of which 18 meet University Studies requirements and 24 meet Professional Education requirements. Part of the entitlement program leading to certification by the State of Illinois for teaching business courses in the secondary schools, grades 6-12 and the K-12 certificate is BEA 360.11 (2 hrs), C&I 210 or PSY 215 (3 hrs), STT 399 (10 hrs), and 10 clock hours of clinical experience in the elementary school. (STT 399.50 is student teaching at the elementary level.) Also, see University-wide Teacher Education Program Requirements and Teacher Education Admission Program sections of the Catalog for further requirements.

Required courses:

- Core courses required of all Business Education majors: ACC 131, 132, 166; BEA 100, 140; FIL 208, 240; MKT 230; MQM 100 (or ECO 131), 220, 385; ECO 101, 102; PSY 111; MAT 120 or 144 (see MAT prerequisites); and ENG 101. These courses lead to qualifications for teaching Business Communications, Business Mathematics, Business Exploration/Orientation and Business Computer Applications. ECO 101, 102, FIL 208, MAT 120, PSY 111, and ENG 101 may be used to count toward University Studies requirements.
 - Professional courses in the BEA Department required of all Business Education majors: BEA 260 (2 hrs) and at least 2 of the following (4 hrs): 360.07, 360.08, 360.09, 360.10. These courses must be completed prior to student teaching, and they provide 35 clock hours of clinical experiences from the 100 clock hours required by the State of Illinois.
 - Professional Education courses: PSY 215; C&I 214, 215, and 216; EAF 228 or 231 or 235; STT 399 (24 hrs).
 - 12 additional hours must be chosen from the following areas: Illinois teacher certification policy requires at least 9 hours in an area to receive an endorsement for that area, except for vocational certification. (Students should choose courses carefully to maximize the number of endorsements for which they will be qualified.)
1. **Accounting:** ACC 131, 132; FIL 240.
 2. **Basic Business:** BEA 330; MQM 220; FIL 208; MKT 230.
 3. **Information Processing:** BEA 109 and/or 225, 256, BEA 354.
 4. **Information Processing/Secretarial:** BEA 109 and/or 225, 256, 354 (students must transfer terminal course in shorthand, notehand, or machine transcription from another institution).
 5. **Business Computer Programming/Systems:** ACC 166; BEA 225; ACC 261, 266.
 6. **Marketing:** MKT 230 and any 2 of the following: MKT 231, 232, 233, 234, 235, and vocational certification.
 7. **Vocational Certification:** BEA 380 and 382 and 2,000 hours of employment experience in the occupational specialty to be taught. (This is highly recommended for those seeking Business Education certification).

Students wishing to minor in Business Education or Administrative Systems and Office Technology are requested to inform the Department, and are encouraged to discuss their program with an advisor in the Department of Business Education and Administrative Services.

MINOR IN BUSINESS EDUCATION

The Business Education Minor is available only to those in an Education major.

- 25 hours required in the College of Business.
- Required courses: BEA 100, 140, 260 (2 hrs), 360.10 or 360.07 or 360.08 (2 hrs); ACC 166; MQM 100.
- The student must choose 9 hours from 1 of the following areas so that upon completion of the minor the student is qualified for at least 1 teaching certificate endorsement.
 1. Accounting: ACC 131, 132; FIL 240.
 2. Basic Business: BEA 330 and 2 of the following: MQM 220; FIL 208; MKT 230.
 3. Information Processing: BEA 109 and/or 225, 256, 354.

MINOR IN CONSUMER EDUCATION

The Minor in Consumer Education is available only to those in a Secondary Education Major.

- 24-26 hours required in BEA, FIL, HEC, MKT.
- Required courses: BEA 100, 260; HEC 103; or BEA/HEC 330; HEC 333, 360.01 (CONSUMER EDUCATION) or HEC 203; ECO 101, 102; FIL 208; MKT 230, 231. Appropriate courses may be substituted for required courses with the approval of the Department chairperson.

Administrative Systems and Office Technology Programs

MAJOR IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY

- 63 hours required in Business (ACC, FIL, MKT, MQM, BEA) or other areas specified below.
- Required courses: ACC 131, 132, 166; FIL 208, 240; MKT 230; MQM 100 (or ECO 131), 220, 227, 385; BEA 109 (or equiv), 225, 240, 250, 256, 354, 357. Also required are ECO 101 and 102 and MAT 121, or 145 which may be completed in University Studies.
- 12 additional hours must be chosen from 1 or a combination of the following concentrations and/or sequence with the approval of the departmental advisor:
 1. Communication for Business: BEA 140, 341, and 2 of the following: COM 123, 225, 227, 228, 240.
 2. Education and Training: BEA 271, 371, 372 and 1 from the following: COM 227, 240; MQM 323.
 3. Records Management: BEA 250; COM 363; HIS 395.
- Business Information Systems Sequence: ACC 261, 266, and 2 additional courses from ACC 362, 366, or 370.

An unclassified student or an Administrative Systems and Office Technology Major may select courses that will prepare the student for administrative support positions. Specific information is available in the Department of Business Education and Administrative Services. Unclassified students who are later admitted to a degree program may apply the courses that are listed above toward graduation. See Business Education advisor for information.

NOTE: Unclassified students and students-at-large must provide transcripts showing that prerequisites have been met.

MINOR IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY

- 24 hours required in the College of Business
- Required courses: BEA 125, 225, 240, 250, 256, 354, 357; MQM 220.

Business Education and Administrative Services Courses

100 BUSINESS AND ITS ENVIRONMENT 3 US-7 F,S

Influence of economic, social, and political pressures on business systems and operating procedures including markets, production, organization, management, and government regulation of business.

108 BASIC FORMAT TYPEWRITING/KEYBOARDING 2 F,S

Not for cr maj/min. Materials charge optional. Compucard charge optional.

Introductory course includes presentation of microcomputer keyboard and development of basic skills for rapid, accurate preparation of documents and office communication forms.

109 TYPEWRITING/WORD PROCESSING I 3 F,S

BEA 108 or equiv. Materials charge optional. Compucard charge optional.

Word information processing, text editing on IBM-PC, microcomputer disk operation, magnetic storage media, business document format, proofreading techniques, terminology.

125 APPLICATIONS OF OFFICE TECHNOLOGY 3 US-7 F,S

Not for cr if had ACS 150 or ACC 166. Materials charge optional. Compucard charge optional. Formerly BEA 200.

Word processing, data base management, spread sheets, business graphics, and communications using microcomputers.

140 BUSINESS COMMUNICATIONS 3 F,S

ENG 101 or equiv req. Materials charge optional. Compucard charge optional.

Communications practices in business. Communication skills will be improved through solution of practical business writing problems.

198.50 PROFESSIONAL PRACTICE: COOP IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY 1 F,S

May be repeated; max 2 hrs with cons dept chair. Maj only; soph standing; 2.5 GPA in business courses; 2.2 overall GPA; cons of coop coord req.

Practical experience in the application of theory in administrative systems.

208 TYPEWRITING/WORD PROCESSING II 3 F

BEA 109 or equiv. Materials charge optional.

Development of ability at the expert level of typewriting and word processing skills. Concentration on word processing applications including analysis of work priority and solutions to problems involved in management support.

225 ADVANCED MICROCOMPUTER APPLICATIONS FOR THE PROFESSIONAL 3 F,S

ACC 166 or ACS 150 or BEA 125. Materials charge optional. Compucard charge optional.

Development of advanced skills in widely used microcomputer application software, including spreadsheets, data base management, business graphics, and desktop publishing.

240 REPORT WRITING FOR BUSINESS 3 F,S

ENG 101 or equiv req. Compucard charge optional.

Report writing techniques; use, form, and structure of different types of business reports.

250 RECORDS MANAGEMENT: THEORY AND CONCEPTS 3 F

Organization and management of records systems including records maintenance, protection, and final disposition.

256 ADMINISTRATIVE OFFICE MANAGEMENT 3 S

MQM 220 req. Formerly BEA 355.

Analysis of office functions and relationship to business organization; information handling and data processing; office design and layout; responsibilities of office administrators.

260 FOUNDATIONS OF BUSINESS EDUCATION 2 F

C&I 216 req. Incl Clin Exp. Adm to Teacher Ed req.

Historical background and current status of Business Education emphasizing professional responsibilities of teachers and principles of curriculum construction.

271 INSTRUCTIONAL TECHNIQUES FOR BUSINESS 3 F

Development of instructional techniques for training office employees. Learning theory, application of instructional techniques, and evaluation of results for office employee training plans.

298.50 PROFESSIONAL PRACTICE: COOP IN ADMINISTRATIVE SYSTEMS AND OFFICE TECHNOLOGY 1 F,S

May be repeated; max 2 hrs with cons dept chair. Maj only; jr standing; 2.5 GPA in business courses; 2.2 overall GPA; cons of coop coord req.

Practical experience in administrative systems in communications, task analysis, problem solving, work flow and instructional techniques.

300 CAREER PLACEMENT PROCEDURES 1 F,S

An orientation to the processes used in obtaining employment. Includes instruction concerning resumes, application letters, job sources, and interviews.

330 DECISION-MAKING FOR CONSUMERS 3 F,S, Summer

Also offered as HEC 330.

Survey of consumer problems, trends, and information. Topics include: insurance, housing, credit, life-styles, consumer protection, leisure, and achieving financial security.

341 PRACTICUM IN BUSINESS COMMUNICATIONS 3 S

BEA 240 or cons inst req. Compucard charge optional.

Communications unique to professional employment; emphasis on research and writing skills for effective communication.

345 BUSINESS IN A MULTI-CULTURAL ENVIRONMENT 3 US-8 F,S

Business operations in a multi-cultural environment. Relationship between the business process and social attitudes, values, ideologies, and customs with special emphasis on Asia, Latin America, and the Middle East.

354 ADMINISTRATIVE OFFICE INFORMATION SYSTEMS: PLANNING AND IMPLEMENTATION 3 F

BEA 225 and 256 req. Formerly BEA 351.

Decisions which must be made regarding efficient work flow in an office through experiences in development of office systems which includes the use of modern office technology.

**357 ADMINISTRATIVE INFORMATION
SYSTEM INTEGRATION 3 S**

BEA 354 req. Formerly BEA 255.

Synthesis, application, evaluation, and administration of administrative information systems and contemporary issues.

**360 TOPICS IN STRATEGIES OF
TEACHING BUSINESS
EDUCATION SUBJECTS 2 F,S**

BEA 260 or conc reg req. C&I 216 req. May be repeated if content different. Adm to Teacher Ed or teaching experience.

Methods of teaching Business Education subjects including typewriting, information processing, basic business, consumer economics, accounting, marketing education, and current topics.

**371 TEACHING BUSINESS TOPICS
TO ADULT LEARNERS 3**

Learning theory applied to the development of education and training programs for adults in and for business.

**372 EDUCATIONAL MATERIALS
FOR ADULT LEARNERS IN BUSINESS 3**

Identification, development, evaluation, and selection of training materials for teaching business topics to adults.

**380 ORGANIZATION AND ADMINISTRATION
OF VOCATIONAL COOPERATIVE
EDUCATION PROGRAMS 3 F**

Incl Clin Exp. Also offered as AGR 380, HEC 380 and IT 305.

Planning and organizing a cooperative program; emphasis on recruitment, selection of training stations, student placement, and operation of cooperative plan.

**381 DIRECTED OCCUPATIONAL
EXPERIENCE FOR VOCATIONAL
BUSINESS AND OFFICE AND
MARKETING EDUCATION 3 S**

For in-service teachers.

Approved on-the-job work experiences required of business and office, and marketing education vocational teachers.

**382 COORDINATION TECHNIQUES OF
COOPERATIVE VOCATIONAL
EDUCATION PROGRAMS 3 S**

Incl Clin Exp. Also offered as AGR 382, HEC 382 and IT 306.

Coordination techniques needed for high school and post-secondary teacher coordinators in integrating classroom activities with daily employment.

**398 PROFESSIONAL PRACTICE:
ADMINISTRATIVE SYSTEMS
AND OFFICE TECHNOLOGY 1-7 F,S**

Maj only; sr standing; 2.5 GPA in business courses; 2.2 overall GPA; and cons internship coord req.

On-the-job experience involving planning, organizing, and directing work activities; developing controls to assure compliance with policies and procedures in the various areas of office automation.

**398.01 PROFESSIONAL PRACTICE:
INTERNSHIP IN ADMINISTRATIVE
SYSTEMS AND OFFICE TECHNOLOGY**

**398.50 PROFESSIONAL PRACTICE:
COOP IN ADMINISTRATIVE SYSTEMS
AND OFFICE TECHNOLOGY**

FINANCE, INSURANCE AND LAW (FIL)

328 Williams Hall, (309) 438-5675

Chairperson: Charles McGuire.

Tenured/Tenure-track Faculty:

Professors: Crepas, Ficek, Flanigan, Kang, Loy, McGuire, Mills, Naidu, Potter, Scott, Varner.

Associate Professors: Chang, Howe, Kruse.

Assistant Professors: Carson, Gilbert, Solberg, Trefzger.

Other Faculty:

Lecturers: Knight, Richardson.

The Finance Major provides a knowledge base and skills appropriate for a wide variety of functional and managerial activities that require financial expertise. The financial world touches most organizations, profit or nonprofit, which have activities involving banking, insurance, real estate, investments, managerial finance, budgeting, and international finance. Students with an interest in insurance may elect the Insurance Sequence.

Academic Policies: All majors in the Department of Finance, Insurance, and Law must meet the academic, admission, and transfer policies of the College of Business. Non-majors must have the prerequisites, including the specified number of hours, to enroll in courses in the Department.

Finance Program

Degree Offered: B.S.

MAJOR IN FINANCE

General Finance Sequence: 54 hours required in Business (FIL, ACC, BEA, MKT, MQM). Required courses (45 hrs in FIL, ACC, BEA, MKT, MQM): FIL 208, 218, 240, 242, 341, 349; ACC 131, 132, 166; BEA 240; MKT 230; MQM 100, 220, 227, 385. In addition, ECO 101, 102, and MAT 121 or 145 must be completed. Elective courses (9 hrs): 9 hours selected from FIL 250, 260, 318, 340, 343, 344, 347, 351, 352, 354, 357, 360, 370; ECO 239; or appropriate courses approved by the departmental advisor.

Insurance Sequence: 57 hours required in Business (FIL, ACC, BEA, MKT, MQM). Required courses (57 hrs): FIL 208, 218, 240, 242, 250, 340 or 341, 349, 351, 352, 354; ACC 131, 132, 166; BEA 240; MKT 230; MQM 100, 220, 227, 385. In addition, ECO 101, 102, and MAT 121 or 145 must be completed.

At least 24 of the 54 hours required for the major must be taken in residence at Illinois State University. The senior year's work (last 30 hrs), with minor exceptions, must be taken in residence at Illinois State University. At least 42 of the total 120 hours offered for graduation must be taken in courses other than Business (FIL, ACC, BEA, MKT, MQM), Economics, and Administration.

Finance, Insurance and Law Courses

140 PERSONAL FINANCE 3 US-7 F,S

Not for cr maj/min in the College of Business.

Examines key financial decisions made by individual consumer. Career selection, personal record keeping, budgeting, use of credit, insurance, income taxes, and investment.

208 LEGAL ENVIRONMENT OF BUSINESS 3 US-7 F,S*Jr standing req.*

The legal environment as it pertains to profit and nonprofit organizations, with ethical considerations and social and political influences as they affect such organizations.

209 BUSINESS LAW I 3 F,S*FIL 208 req.*

The law of contracts, agency, partnerships, and corporations.

211 BUSINESS LAW II 3 F,S*FIL 208 and 209 req.*

The law of property, sales, secured transactions, commercial paper, trusts, wills, insurance, and bankruptcy.

218 FINANCIAL MARKETS 3 F,S*ACC 132; ECO 102 req. Compucard charge optional.*

Participants, structure and functions of the major domestic and international financial markets.

240 BUSINESS FINANCE 3 F,S*MQM 100; ACC 132; ECO 101 and 102 req. Compucard charge optional.*

Principles and problems of planning and managing assets of business. Formulation, acquisition and utilization of funds and capital structure examined.

242 INVESTMENTS 3 F,S*FIL 240 req. Compucard charge optional.*

A survey of investment media, concepts, and techniques to provide an understanding of the investment process in the economic and financial environment.

250 INTRODUCTION TO RISK AND INSURANCE 3 F,S*Jr standing req.*

Fundamental issues of risk management and insurance in property, liability, life and health areas. Principles of marketing, underwriting, rate making and loss adjusting.

260 REAL ESTATE PRINCIPLES 3 F,S*Completion or conc reg in FIL 240 req.*

Principles of real estate, including legal aspects of real estate, appraisal, investment, mortgage financing, homeownership, and brokerage industry functions.

298 PROFESSIONAL PRACTICE: BUSINESS ADMINISTRATION OR FINANCE INTERNSHIP/ COOPERATIVE EDUCATION 1-6 F,S*Jr standing and cons dept chair req.*

Directed projects or administrative experience related to the student's career interests, arranged through the department coordinator and completed under the supervision of a business professional.

311 GOVERNMENT REGULATION OF BUSINESS 3 F,S*FIL 208 req.*

Analysis of governmental legal and regulatory activity as it applies to business.

312 INTERNATIONAL BUSINESS LAW 3 F,S*FIL 208 req.*

Case study in international business law. Jurisdiction and application of foreign law, international regulation of economic activities, and issues of comparative law.

313 LABOR LAW 3 F,S*FIL 208 req.*

Laws regarding the labor-management relationship, the NLRA, Employment Discrimination, Unemployment Compensation, Social Security, Workers' Compensation and other regulations of employment.

318 MANAGEMENT OF FINANCIAL INSTITUTIONS 3 F,S*FIL 218 and 240 req.*

Financial institutions as business firms, with emphasis on depository institutions: industry structure, regulation, asset and liability management strategies.

340 SHORT-TERM FINANCIAL MANAGEMENT 3 F,S*FIL 240 req. Bus maj only. Compucard charge optional.*

Analysis of working capital management; cash budgeting; financial analysis and planning; short-term financing decisions.

341 CAPITAL INVESTMENT DECISION-MAKING 3 F,S*FIL 240 req. Bus maj only.*

Theory and practice of capital management. Topics include evaluation of risks, determination of capital structures, measures of costs and returns, allocation of capital, financial planning and models, and a survey of working capital issues.

343 SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT 3 F,S*FIL 240 and 242 req. Bus maj only.*

Characteristics of financial assets and markets; evaluation of securities; selecting and combining securities into portfolios; portfolio models and measurement of portfolio performance.

344 INTERNATIONAL FINANCIAL MANAGEMENT 3 F,S*FIL 240 req. Bus maj only.*

Financial management of multinational corporations, including balance of payments, foreign exchange markets and international money and capital markets.

347 FINANCIAL FUTURES, OPTIONS AND SWAPS 3 F or S*FIL 242 req or cons dept chair.*

Evaluate financial futures, options and swap instruments and market characteristics; analyze pricing models, hedging and trading strategies, portfolio insurance; trading techniques.

349 ADVANCED FINANCIAL THEORY AND PROBLEMS 3 F,S*FIL 341 req. Additional 6 hrs finance req. Finance maj only. Not for grad cr for MBA students. Compucard charge optional.*

An advanced coverage of financial theory and its applications to cases and problems; modeling and simulation.

351 LIFE AND HEALTH INSURANCE 3 F,S*FIL 250 req.*

Personal and business risks. Principles of life and health insurance and their applications.

352 PROPERTY AND LIABILITY INSURANCE 3 F,S*FIL 250 req. Formerly 252.*

Insurance coverages including fire, marine, automobile, homeowner's policy, workers' compensation, employer's liability, fidelity and surety. Price competition, risk, rate making, industry structure, and regulation.

354 RISK MANAGEMENT

3 S

FIL 351 and 352 req.

Management's role in treating non-speculative risks to which business is exposed. Emphasis on recognition, evaluation, and treatment of risks.

357 REAL ESTATE APPRAISAL

3 F

FIL 260 req. Bus maj only.

Recent and traditional appraisal techniques. Theory and methodology of market value determination for residential and commercial real estate.

360 REAL ESTATE INVESTMENT AND FINANCE

3 S

FIL 240 and 260 req. Bus maj only.

Decision-making analysis in real estate investment and financing. Emphasis on financial leverage, cash-flow analysis, taxation, risk, mortgages.

370 EDUCATIONAL INVESTMENT FUND

4 F,S

FIL 242 and cons dept chair req.

Management of real-money investment funds. Application of investment theory to an actual portfolio, including development and presentation of recommendations to board of investment professionals.

375 LAW FOR ACCOUNTANTS

3 S

24 hrs of ACC including ACC 337 or conc reg; FIL 211 or conc reg req; CR/NC only.

Accountants' legal responsibilities, anti-trust, bankruptcy, federal securities regulation, insurance, regulation of employer and employee relationships, secured transactions, suretyship, and other topics for the professional accountant.

380 SEMINAR IN THE LEGAL ENVIRONMENT OF BUSINESS

3 F,S

Cons dept chair req. May be repeated with cons inst.

Selected topics in law and its relationship to business. Topics may include new developments in public and private law as it relates to businesspersons.

381 SEMINAR IN FINANCE

1-4 F,S

Cons dept chair req. May be repeated with cons dept chair.

Selected topics in finance. Topics may include new developments in the field as they relate to businesspeople and industry.

382 SEMINAR IN INSURANCE

1-4 F,S

Cons dept chair req. May be repeated with cons dept chair.

Selected topics in insurance. Topics may include new developments in the field as they relate to businesspeople and industry.

398 PROFESSIONAL PRACTICE: FINANCE INTERNSHIP

1-6 F,S

Sr standing; 3.2 overall GPA or cons dept chair. Usually, no more than 3 hrs cr awarded for 1-sem work assignment.

Directed projects or administrative experience related to the student's career interests, arranged through the department coordinator and completed under the supervision of a business professional.

398.10 PROFESSIONAL PRACTICE: INSURANCE INTERNSHIP

1-3 F,S

FIL 250 req; 3.2 overall GPA or cons dept chair.

On-the-job experience in insurance arranged through the department coordinator and completed under the supervision of an insurance professional.

MANAGEMENT AND QUANTITATIVE METHODS (MQM)

329 Williams Hall, (309) 438-8385

Chairperson: Warren Nielsen.**Tenured/Tenure-track Faculty:***Professors:* Chitgopekar, Couch, Dumler, Graeff, Graf, Hemmasi, Newgren, Nielsen, Radhakrishnan, Ross.*Associate Professors:* Fazel-Sarjui, Lust, Park, Robinson.*Assistant Professors:* Devinatz, Fitzgibbons, Nicholson, Ringer, Russ, Salenga, Stewart-Belle, Strong.**Other Faculty:***Instructional Faculty:* Assistant Professor: Nordstrom.*Lecturers:* Micklich, Rawlins.

Management and Quantitative Methods Programs

Degree Offered: B.S. in Management

The Management Major offers programs to students interested in professional management careers in business, industry, or government. Three sequences allow students to concentrate on skills needed by general managers (Organizational Management Sequence), or by specialists in personnel and human resource management (Human Resource Management Sequence), or by specialists in quantitative decision processes (Operations Management Sequence).

Academic Policies: All majors in the Department of Management and Quantitative Methods must meet the academic, admission, and transfer policies of the College of Business. Non-majors must have the prerequisites, including a specified number of hours, to enroll in courses in the Department.

MAJOR IN MANAGEMENT

- 54 hours required, of which 36 are core requirements and 18 are in each of the sequences. In addition, ECO 101, 102, 208; and MAT 121 or 145 are required. (MAT courses may have up to 7 hrs of prerequisites.) ECO 101, 102, and 3 hours of MAT satisfy part of the University Studies requirements.
- Core requirements: MQM 100, 220, 221, 227, 385; ACC 131, 132, 166; BEA 240; FIL 208, 240; MKT 230.
- At least 24 of the required hours at the 200- and 300-level must be taken in residence at Illinois State University.
- The senior year's work, with minor exceptions, must be taken in residence at Illinois State.
- At least 42 hours of the total 120 hours offered for graduation should be in courses other than business (MQM, ACC, BEA, FIL, MKT), economics, and administration.
- 1 of the following sequences must be completed.

Organizational Management Sequence:

- MQM Core.
- MQM 215, 323, 325 required.
- 9 additional hours selected from MQM 226, 300, 326, 340, 350, 287, 381, 398; INB 245; 1 related 3-hour course from another department with consent of Department chair. Generally, a maximum of 3 hours from MQM 287, 381, or 398 may count towards this 9 hours. Exceptions must be approved by Department chair.

Human Resource Management Sequence:

- MQM Core.
- MQM 323, 324, 353, 354 req.

- 6 additional hours selected from MQM 300 or 340; a maximum of 3 hours from MQM 381, MQM 398.01 or INB 245; or a related 3-hour course with consent of Department chair. Examples of related 3-hour courses include: ECO 225, 326, 327; FIL 313; PSY 375 and SOC 255.

Operations Management Sequence:

- MQM Core
- MQM 215, 327.
- 9 or 12 hours selected from: MQM 300, 333, 335; MKT 329.
- 0 or 3 hours selected from MQM 287, 326, 398; ACC 230; IT 312.

Business Administration Programs

Degree Offered: B.S.

MAJOR IN BUSINESS ADMINISTRATION

- 54 hours required in Business (ACC, BEA, FIL, MKT, MQM).
- Required courses: (33 hrs in ACC, BEA, FIL, MKT, MQM); MQM 100, 220, 227, 385; FIL 208, 240; ACC 131, 132, 166; BEA 240; MKT 230. In addition, ECO 101 and 102 and MAT 121 or 145 must be completed. 15 of these 33 hours must be taken in residence at Illinois State University.
- An additional 21 hours is required: 15 hours selected from BEA 341; FIL 209 or 218; MKT 231 or 232; MQM 323; ACC 370; and INB 245. In addition, with departmental approval, 3 hours are to be selected from courses offered by any department in the College of Business, and 3 hours to be selected from courses offered in the College of Business or in other colleges. At least 9 of the 21 hours must be taken at the 300-level.

Business Information Sequence: 9 hours from BEA 341; FIL 209 or 218; MKT 232; MQM 215; and INB 245. In addition, the following courses are required: ACC 261, 266, 362, 366. At least 9 of the 21 hours must be taken at the 300-level.

- At least 42 hours outside the College of Business and in subject areas other than business (ACC, BEA, FIL, MKT, MQM), economics, and administration must be included toward the 120 hours for graduation.

MINOR IN BUSINESS ADMINISTRATION

- Required courses: MAT 120 or 144 (MAT 104 competence req); ECO 101; FIL 208, 240; ACC 131, 132; MKT 230; MQM 100 or ECO 131; MQM 220.

NOTE: The Business Administration Minor is not available to majors in the College of Business.

Management and Quantitative Methods Courses

- 100 BUSINESS AND ECONOMIC STATISTICS** 3 F,S
MAT 120 or 144 req. Not for cr if had ECO 131. Compucard charge optional.

Application of statistical methods to business. Averages, dispersion, probability theory, frequency distributions, inference, hypothesis testing, regression, nonparametric tests.

- 215 INTRODUCTION TO MANAGEMENT SCIENCE MODELS** 3 F,S
MQM 100; MAT 121; ACC 166 req. Not for cr if had MQM 301 prior to spring 1979. Compucard charge optional.
 Provides a basic understanding of the formulation and application of quantitative models in managerial decision-making. General topics include: linear programming, dynamic programming, networks, and simulation.

- 220 BUSINESS ORGANIZATION AND MANAGEMENT** 3 F,S
ECO 101 req.

Organization theories and the role of managers as leaders. Planning and control systems, decision-making, and human considerations.

- 221 ORGANIZATIONAL BEHAVIOR AND ADMINISTRATION** 3 F,S
MQM 220 req. Not for cr if had PSY 376.

Organization analysis focusing on motivation, perception, communication, coordination, and change. Administrative problems examined by theories of individual and group behavior.

- 226 ENTREPRENEURSHIP** 3 S
MQM 220; FIL 240; MKT 230.

How to start a business, with emphasis on the assessment of business opportunities and on the development of operating plans.

- 227 PRODUCTION MANAGEMENT** 3 F,S
MQM 100 and 220 req. Compucard charge optional.

Operations of production plants. Methods analysis and work measurement, inventory control, quality control, facilities layout, machines and maintenance.

- 298.01 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION IN MANAGEMENT** 1-6 F,S

Internship experiences in general management, human resource management, production/operations management or management information systems, arranged through the dept coord.

- 298.02 PROFESSIONAL PRACTICE: INTERNSHIP/COOPERATIVE EDUCATION IN BUSINESS ADMINISTRATION** 1-6 F,S

Internship/cooperative education experiences for business administration majors related to students' career interests arranged through dept coord.

- 300 INTERMEDIATE BUSINESS STATISTICS** 3 F,S
MQM 100; MAT 121 or equiv. Compucard charge optional.

Techniques used in modern business analysis. Topics include multiple regression and analysis of variance for applications in management, marketing, finance, and accounting.

- 323 HUMAN RESOURCES MANAGEMENT** 3 F,S
MQM 220 req.

Principles and procedures relating to human resources management, including staffing, appraisal, training, compensation, and other programs for business and other organizations.

- 324 INDUSTRIAL RELATIONS MANAGEMENT** 3 F,S
MQM 220 and ECO 102 req.

Managing employment relations and work conditions. Emphasis on negotiating, administering labor agreements, and impact of collective bargaining on managerial practice.

- 325 MANAGERIAL PLANNING AND DECISION MAKING** 3 F,S
MQM 220 plus 3 additional hrs of Management req.
Bus maj only.

A consideration of managerial decision making in organizations. Specific emphasis on strategic, program, and operational level planning decisions, techniques, and systems.

- 326 SMALL BUSINESS MANAGEMENT** 3 F,S
Sr or grad standing. Bus maj only.

Field program designed to familiarize the student with the problems of small business owners and/or operators. The student acquires firsthand knowledge and experience by dealing with on-going businesses.

- 327 OPERATIONS MANAGEMENT** 3 S
MQM 227 and MAT 121 req. Compucard charge optional.

Advanced consideration of decision making tools applied to manufacturing and other operational areas. Case analyses place emphasis on production management problems.

- 333 PRODUCTION/INVENTORY CONTROL MANAGEMENT** 3 S
MQM 227 req.

Management systems (structures, functions, interfaces), issues, and decision models in the Production Control/Inventory Control sub-function. Emphasizes both theory and actual practice in the field.

- 335 QUALITY CONTROL MANAGEMENT** 3 F
MQM 227 req. Compucard charge optional.

Management systems (structures, functions, interfaces), issues, and decision models in the Quality Control sub-function. Emphasizes management theory and actual practice in the field.

- 340 SEMINAR IN MANAGEMENT** 3 F,S
MQM 220 and 221 req. May be repeated once if topic different.

Specialized study of a selected topic in the field of management for advanced students.

- 350 INTERNATIONAL MANAGEMENT** 3 F,S
MQM 220 req.

Managerial decision making for planning, organizing, and controlling the functions, operations, and resources of multinational corporations.

- 353 STRATEGIC HUMAN RESOURCE PLANNING AND MANAGEMENT** 3 F
MQM 323 req.

Strategic human resource planning as the base for organizational human resource decisions and programs, and management of personnel development in organizations.

- 354 COMPENSATION MANAGEMENT** 3 F,S
MQM 323 req.

Compensation subsystem as a vital component in establishing a workplace system that stimulates employee performance.

- 381 PROJECT SUPERVISION DEVELOPING MANAGERIAL SKILLS** 3 F,S
MQM 220, 221 or 323; sr standing. Formerly PROJECT SUPERVISION.

Opportunities to develop managerial skills through classroom exercises, self-development activities, and supervising projects.

- 385 PROBLEMS IN BUSINESS** 3 F,S
MQM 100, 220; ACC 132; FIL 240 and MKT 230 req.
Sr standing; Bus maj only. Compucard charge optional.

Integration of the decision-making processes involved in each of the major functional areas of business.

- 398.01 PROFESSIONAL PRACTICE: INTERNSHIP IN MANAGEMENT** 1-6 F,S
Internship experiences in general management, human resource management, production/operations management, or management information systems, arranged through the dept coord.

- 398.02 PROFESSIONAL PRACTICE: INTERNSHIP/ COOPERATIVE EDUCATION IN BUSINESS ADMINISTRATION** 1-6 F,S

Primarily for jr/sr Business Administrative maj with at least 90 hrs earned. Students qualifying for this internship experience will receive CR/NC hrs only, of which up to 3 hrs can be counted toward the BUA maj if approved. See dept coord for information.

MARKETING (MKT)

325 Williams Hall, (309) 438-7261
FAX (309) 438-5510

Chairperson: Stephen Goodwin.

Tenured/Tenure-track Faculty:

Professors: Cox, Goodwin, Grimm, Jefferson.

Associate Professors: Celuch, Ogbuehi, Showers, Lesch, Slama.

Assistant Professors: Attaway, Humphreys, Longfellow, Singley, Taylor, Williams.

Other Faculty:

Lecturers: Bellas, Richards, Steen.

Marketing Program

Degree Offered: B.S. in Marketing

The degree in Marketing is a flexible degree that qualifies graduates for a variety of leadership positions in the selling, distribution, pricing, and advertising of goods and services for both profit and non-profit organizations.

Academic Policies: All majors in the Department of Marketing must meet the academic, admission, and transfer policies of the College of Business. Non-majors must have the prerequisites, including the specified number of hours, to enroll in courses in the Department.

MAJOR IN MARKETING

- 54 hours required in Business (ACC, BEA, FIL, MKT, MQM).
- Required courses: MKT 230, 231, 232, 338; ACC 131, 132, 166; BEA 240; FIL 208, 240; MQM 100, 220, 227, 385.
- 24 of these 42 hours must be taken in residence at Illinois State University. Additional requirements: ECO 101, 102; MAT 121 or 145 (MAT courses may have up to 7 hours of prerequisites). ECO 101, 102 and 3 hours of MAT satisfy part of the University Studies requirements.
- Elective courses: (12 hrs selected from): MKT 233, 234, 235, 238, 287, 291, 299, 329, 333, 334, 335, 337, 339, 398.01, INB 245. 1 of the following courses may be used as part of the 12 hours listed above: GEO 330, 333, 336; POS 232, 312; SOC 260, 267. No more than 3 hours of electives may be outside the Marketing Department. **NOTE:** Only 3 hours of MKT 287, 291, 299, 398.01 and INB 245 may be counted as part of the 12 hours listed above.
- The senior year's work (last 30 hrs), with minor exceptions, must be completed in residence at Illinois State University.

- At least 42 of the 120 hours required for graduation must be in courses other than Business (MKT, ACC, BEA, FIL, MQM), Economics, and Administration.

Marketing Courses

230 INTRODUCTION TO MARKETING

MANAGEMENT 3 F,S,Summer
ECO 101 req.

A managerial approach to the study of such key decision areas as advertising, distribution, pricing and product development as well as other concepts and activities that facilitate exchange between buyers and sellers in the environments of business and nonbusiness organizations.

231 BUYER BEHAVIOR 3 F,S,Summer
MKT 230 req.

Theory and research on explaining and predicting consumer and organizational buying behavior. Course examines concepts that have implications for marketing management decisions.

232 MARKETING RESEARCH 3 F,S,Summer
MKT 230, MQM 100 or equiv req. Compucard charge optional.

Examines marketing research methods and techniques used in the collection and interpretation of primary and secondary data. Hands-on experience is gained through participation in one or more research projects.

233 ADVERTISING 3 F,S,Summer
MKT 230 req.

Survey of historical and contemporary trends; theory and decision making in advertising. Course covers basic decision elements for developing and managing campaigns.

234 PROFESSIONAL SELLING 3 F,S
AGR 214 or MKT 230 req. Compucard charge optional.

Presents personal selling as a professional marketing activity; coverage of effective selling methods. Application of selling theories to the modern marketing concept. In-class presentations and role playing exercises are typical.

235 MARKETING CHANNELS 3 F,S
MKT 230 req.

Theoretical concepts of marketing channel (distribution) structure and management and their practical applications.

238 INTERNATIONAL MARKETING 3 F,S
MKT 230 req.

Understanding the global marketing environment and developing marketing strategies across national boundaries. The political, economic, and cultural variables which influence such strategies are identified. Recent cross-cultural research and real world cases clarify concepts and their application.

298 PROFESSIONAL PRACTICE: INTERNSHIP/
COOPERATIVE EDUCATION IN
MARKETING 1-6 F,S,Summer

Primarily for students with less than 89 hrs earned. Does not count toward the MKT maj. CR/NC only. See dept chair for info and cons.

329 PURCHASING POLICIES
AND PROCEDURES 3 F
MKT 230 and 234 req.

Purchase of materials, supplies, and equipment for industry, government, and other institutions. Organization for purchasing, internal requisitioning, and stock control. Significant case analysis is typical.

333 ADVERTISING MANAGEMENT 3 F,S
MKT 230, 231, 232, 233, or equiv req.

Evaluation of elements for the effective development, implementation, and management of advertising campaigns. Experience in making decisions will be gained via cases, campaign development exercises, and/or computer-simulation.

334 SALES MANAGEMENT 3 S
MKT 230 and 234 req. Compucard charge optional.

Theory, principles, and practices of sales force administration for manufacturing, wholesaling, and service enterprises. Topics include recruiting, training, compensation, and performance appraisal.

335 RETAILING MANAGEMENT
AND PROMOTION 3 F,S
MKT 230 req.

Management and operation of retail firms. Emphasis on location analysis, pricing, inventory control, merchandising and promotion. Experiential assignments are typical.

337 INDUSTRIAL MARKETING 3 S
MKT 230, 231 and 232 req.

Focuses upon the scope and nature of marketing in an industrial or business-to-business context. A managerial decision making framework is utilized.

338 STRATEGIC MARKETING
MANAGEMENT 3 F,S,Summer
MKT 230, 231 and 232 req. Compucard charge optional.

Development, implementation, and control of the marketing plan. Short and long-run perspectives are considered equally important. Includes analysis of actual and hypothetical cases.

339 SEMINAR IN MARKETING 3 F,S
MKT 230, 231, 232 or cons Dept chair req. May be repeated once if topic and inst different.

A specialized study of important, narrow areas in the field of marketing for advanced students. Recent topics include direct marketing, logistics/physical distribution, sales/market forecasting, advanced marketing research advanced professional selling, and services marketing.

398.01 PROFESSIONAL PRACTICE:
INTERNSHIP/COOPERATIVE
EDUCATION IN
MARKETING 1-6 F,S,Summer

Primarily for students with at least 89 hrs earned. Those qualifying for this internship/coop experience can receive letter-grade cr, and up to 3 cr hrs can possibly be counted toward the MKT maj. See dept chair for info and cons.

398.02 PROFESSIONAL PRACTICE:
INTERNSHIP/COOPERATIVE
EDUCATION IN
MARKETING 1-6 F,S,Summer

Primarily for students with at least 89 hrs earned. Those qualifying for this internship/coop experience will receive CR/NC hrs only, none of which can be counted toward the MKT maj. See dept chair for info and cons.

COLLEGE OF EDUCATION

Dean: Sally Pancrazio, 533 DeGarmo Hall.

The College of Education includes the Departments of Curriculum and Instruction, Specialized Educational Development, Educational Administration and Foundations, the Office of Clinical Experiences and Certification Processes, the Office of Research, and the Laboratory Schools. The College of Education has three broad missions: (1) Preparation of quality instructional, supervisory, and administrative personnel to serve in all sectors of education in various capacities and at all levels of teaching and learning; (2) Systematic study, research and evaluation of societal concerns within diverse cultural contexts and with the concomitant utilization of that research for society's benefit; and (3) Active involvement in service activities designed to improve the quality of life through education and to ensure the necessity of existing programs and to identify new directions for the College. The College administers clinical experiences in education in addition to offering a wide range of graduate programs, including master's and doctoral programs in Curriculum and Instruction, Educational Administration, and Specialized Educational Development as well as an advanced certificate in Educational Administration.

CURRICULUM AND INSTRUCTION (C&I)

232 DeGarmo Hall, (309) 438-5425

Acting Chairperson: Thomas Baer

Tenured/Tenure-track Faculty:

Professors: Baer, Bettis, Braun, Fisher, Galler, Godbold, Goeldi, Haukoos, Jinks, Kachur, Kennedy, Lazerson, Lewis, Lorber, Morris, Mungo, D. Rhodes, T. Ryan, Taylor, Waimon.

Associate Professors: Flickinger, Garcia, Jerich, Tillman.

Assistant Professors: Benenson, Carter, Curtis, Davidson, Gayle-Evans, Moore, Morgan, Nourie, Shaw-Baker.

Other Faculty:

Instructional Faculty: Assistant Professor: Scheider.

Lecturers: Bohlman, Jenke, Legge, Kline, Knudsen, Maute, Mears, Montgomery, Gorrell, Thomas, Torres, Webér.

Administrative/Professional: Gorrell, Johnson.

Early Childhood Education Programs

Degrees Offered: B.A., B.S., B.S. in Ed.

ACADEMIC POLICIES: Students are admitted to Early Childhood Education on a competitive and selective basis. Cumulative and major grade point averages of 2.5 are required for continuance in the program. All ECE majors must pass a basic skills test (PPST) in reading, writing, and mathematics (PPST) and meet other program criteria (see program advisors) prior to admission to CORE I (C&I 261) and Teacher Education.

MAJOR IN EARLY CHILDHOOD EDUCATION

The Early Childhood Comprehensive Major leads to certification for teaching in programs serving children birth to age 8 (grade 3). The professional coursework of the program focuses on preparation for teaching in day care centers, nursery schools, and primary classrooms.

Most professional coursework, taken through CORE units, is ordinarily started during the first semester of the junior year. Each CORE unit is for an entire semester and is a unified program of classroom experiences taught by a team of instructors from C&I and other Departments. Each CORE covers a common content: knowledge about physical, cognitive, social, and creative development of children; knowledge about school curriculum and organization; and direct teaching experience with young children. The final semester (Student Teaching) is spent off campus. Concurrently with each CORE, students take additional required courses. Specific information on admission policies and practices is available from the Department of Curriculum and Instruction. Students are encouraged to take the PPST Test as early as possible since passing scores on the PPST are required before registering for CORE I (C&I 261).

- Required courses (54 hrs): C&I 260, 261, 262, 263, 301, 331; SED 145 or PSY 346; SED 304; SED 363 or HEC 231; PAS 115. Concurrent courses are taken through advisement.
- In addition to the major requirements listed above, students should include the following courses in the 48 hours of University Studies for compliance with state certification requirements: ENG 101; COM 110; PSY 111. Each student should consult the Teacher Education Requirements section of this Catalog for further understanding of state General Education standards for certification in Early Childhood Education.

Elementary Education Program

Degrees Offered: B.A., B.S., B.S. in Ed.

Students should contact an academic advisor to obtain a copy of the requirements for the Elementary Education Program.

ACADEMIC POLICIES: Students are admitted to the Elementary Education Program on a competitive and selective basis.

To register for C&I 254, the Elementary Education Program entry course, a student must have achieved at least the following:

1. A minimum cumulative and major GPA of 2.5.
2. A minimum of 45 semester hours completed.
3. A minimum grade of "C" in both ENG 101 and COM 110.
4. All sections of Pre-Professional Skills Test (PPST) passed (see description below).

To begin C&I 254, a student must have achieved at least the following:

1. A minimum cumulative and major GPA of 2.5.
 2. Junior standing (60 hrs or more).
 3. A minimum grade of "C" in both ENG 101 and COM 110.
- Students should contact their advisors for additional information.

Prospective transfer students are urged to file an Application for Admission to Illinois State University early. (See Admission section of this Catalog.) Advanced registration is strongly recommended.

Pre-Professional Skills Test (PPST): All elementary majors are required to pass a basic skills test (PPST) in reading, writing, and mathematics before registering for C&I 254. For this reason, students should take the PPST (fee required) as early as possible.

MAJOR IN ELEMENTARY EDUCATION

— 71 hours in General Education required.

Each student should consult the Teacher Education Requirements section of this Catalog for specific information regarding the General Education standards for certification in Elementary Education (K-9). In addition students should contact the Elementary Education academic advisor for a list of recommended General Education courses. (See also Teacher Education Requirements section in this Catalog for additional information regarding Admission to Teacher Education and student teaching.)

— 54 hours in Professional Education as follows:

*Required Major courses: C&I 210, 254, 255, 256, 257, 258, 259.01, 259.02, 259.03, 259.04, and STT 399.50.

*Required Major adjunct courses: ART 205, EAF 228 or 231 or 235, ENG 170, MAT 201, MUS 277, HPR 222, SED 145, and THE 280.

The Professional Education coursework is taken through the on-campus courses, and in some cases through on-campus courses concurrent with off-campus field experiences. This work is ordinarily started during the junior year, except that ENG 170 and SED 145 are often taken earlier. Students begin by enrolling in C&I 254 (Management, Measurement, and Curriculum), the entry-level 3-hour credit course. In addition, they generally enroll in C&I 210 (Child Growth and Development) for 3 credit hours along with ART 205, MUS 277, THE 280, and HPR 222, each 2-hour credit courses. Selection of an additional required 3-hour credit course constitutes a 17 credit-hour semester of work. In the succeeding semester, students generally are enrolled in C&I 255 (Reading methods), and C&I 256 (Language Arts methods) - each being a 3-hour on-campus course. Concurrently they are enrolled in C&I 259.01 and 259.02, 1-hour field-based courses associated with the Reading and Language Arts methods courses. Additional courses are selected from among remaining required courses. In the following semester, students take C&I 257 (Science methods) and C&I 258 (Social Studies methods), 3 hours each, along with 259.03 and 259.04, the 1 hour each Science and Social Studies field experience courses. Remaining required courses are selected for this semester and often include MAT 201 and EAF 228, 231 or 235. The final semester is spent off campus for 12 credit hours of student teaching. This provides a wide variety of direct experience with children in various socio-economic and ethnic groupings.

Junior High/Middle School Education Program

Degrees Offered: B.A., B.S., B.S. in Ed.

MAJOR IN JUNIOR HIGH/MIDDLE SCHOOL EDUCATION

Professional Requirements:

— 34 hours in Professional Education required. Part of entitlement program leading to certification: Elementary K-9.

— Required courses: C&I 130, 210, 233, 333, 390, 395, 399.55 (12 hrs of Student Teaching); EAF 228 or 231 or 235; SED 306; PSY 302, 346 or 347 or SED 145.

Pre-Professional Skills Test (PPST): All elementary majors are required to pass a basic skills test (PPST) in reading, writing, and mathematics, before registering for C&I 233. For this reason students should take the PPST (fee required) as early as possible.

Program Requirements: These requirements may, in very large part, be met by coursework taken for University Studies and to meet certification requirements falling under General Education.

Within the General Education requirements as stated in the Catalog section Approved Teacher Education Programs—Junior High/Middle School, the following courses are required:

— Completion of ENG 101, 145, and COM 110.

— Completion of HSC 196 or HPR 180 in the Health and Physical Education requirements.

Specialization Requirements:

— Appropriate preparation in 2 or more areas of teaching specialization listed below is required.

The major in Junior High/Middle School Education, a program of professional development for those who wish to teach at the junior high/middle school-level of education, consists of 3 broad areas of preparation. These are: General Education requirements for certification which are listed in the section on Teacher Education; Professional Requirements which are listed above; and Teaching Specialization Requirements, the character of which are described below. Upon satisfactorily completing this program, the student will meet the State of Illinois requirements for Elementary certification (K-9).

An advisor in the Department of Curriculum and Instruction will assist the Junior High/Middle School Major planning coursework in both a primary and secondary area of specialization.

Primary Specialization: A student must complete 1 of the following options:

1. Teacher Education Minor in English (Language Arts), Art, or Music.
2. Specified hours taken from Science, Industrial Technology, Social Sciences, Mathematics, Reading, or Physical Education.

Secondary Specialization: In addition to the primary specialization, a student must complete a minimum of 18 hours (completes the State of Illinois minimum requirements for teaching in a second field, usually 8 hrs) in another area selected from those listed in 1 and 2 above.

Unlike preparation for senior high school teaching, the junior high/middle school demands broad preparation across the several disciplines that constitute a subject area at this level. To meet these broad field demands in their selected teaching areas, pre-service teachers in the Illinois State program are guided through coursework that is specifically attuned to the curriculum requirements of the junior high/middle school.

A primary feature of the Junior High/Middle School Program is the experience that the pre-service teacher gains in working with early adolescent youth in the school environment. Simultaneously with the coursework in the categories described above, the student in the program engages in a variety of clinical experiences working with students in area junior high/middle schools. In fulfilling its strong commitment to early

adolescent education, Illinois State University works closely with these schools to provide maximal opportunities for majors in the development of teacher-student interaction skills. The prescribed and voluntary internship activity aids the student in making the transition from pre-service to in-service teaching much more effectively and expeditiously. This activity and the other features of this specialized program combine to provide a comprehensive and thorough undergraduate program for teachers as specialists at a school level where few exist.

Certification standards and standards for school recognition by the Illinois State Board of Education relating to the qualifications of teachers as well as those for member schools of the North Central Association are met and considerably exceeded by graduates of the Junior High/Middle School Teacher Education Program at Illinois State University.

Urban Education Study: Students wishing preparation for working with urban populations may elect to complete Urban Education. Urban Education is not a certified area but is an elective option available to students in Elementary Education, Junior High School, Special K-12, High School, Early Childhood, and Special Education programs. Course content and clinical experiences are individually designed in keeping with the specific Teacher Education program of the student.

The following includes both on and off campus coursework experiences in both school and non-school educational settings, and in agency activities: C&I 110 - Introduction to Multicultural Education (3 hrs), C&I 232 - Education in the Inner City: An Introduction (3 hrs), C&I 312 - Urban Field Experiences (6 hrs off campus), C&I 398 - Professional Practice: School/ Community Involvement (3 hrs), and C&I 332 - Education in the Inner City (3 hrs). The following substitutions can be made: Secondary Education students receive credit for 215 in the Professional Sequence, and Special Education majors receive credit for C&I 295 - SENIOR SEMINAR. Secondary Education students must complete the program prior to student teaching in order to receive credit for 215. Students in all other programs may complete the program before or after student teaching.

SECONDARY EDUCATION STUDENTS

NOTE: It is recommended that students progress through the Professional Education requirements in the following order:

1. Begin the process leading to Admission to Teacher Education. This may require more than 1 semester. See Index for Admission to Teacher Education details. Take the Pre-Professional Skills Tests (PPST) in reading, writing, and mathematics as soon as possible. There are no prerequisites for it. **Students must pass all sections of the PPST before they can register for C&I 216.**
2. Social Foundations (EAF 228), or Introduction to Philosophy of Education (EAF 231), or Historical Foundations (EAF 235), 3 semester hours.
3. Educational Psychology (PSY 215), 3 hours.
4. Secondary School Reading (C&I 214) and Curriculum and Organization Issues in Secondary Schooling (C&I 215), 2 hours each.
5. Secondary Education (C&I 216) 4 hours.
6. Special methods course(s) and student teaching as required by each academic department. Check with the advisor in your major department for specific course numbers.

Curriculum and Instruction Courses

110 INTRODUCTION TO MULTICULTURAL EDUCATION

3 US-7 F,S,Summer

Materials charge optional.

Exploring the theories and processes for understanding and working with culturally diverse groups in educational settings and the implications for programming at all levels.

130 INTRODUCTION TO EARLY ADOLESCENT EDUCATION

1 F,S,Summer

Develops the distinctive role of early adolescent education in the public school, contrasted with elementary and senior high school education.

210 CHILD GROWTH AND DEVELOPMENT

3 F,S

PSY 111 req. Incl Clin Exp.

Physical, social, emotional, and mental development of the child from conception through adolescence; methods of studying children and their behavior.

214 SECONDARY SCHOOL READING

2 F,S,Summer

Teacher Ed Seq leading to 6-12 or K-12 cert (other than Spec Ed) only. 2.0 overall GPA. C or better in ENG 101 and COM 110 req. Formerly C&I 200.04.

Focuses on techniques for integrating reading in all content areas and on ways to use libraries effectively.

215 CURRICULUM AND ORGANIZATION ISSUES IN SECONDARY SCHOOLING

2 F,S,Summer

Teacher Ed Seq leading to 6-12 or K-12 cert (other than Spec Ed) only. Conc reg in C&I 214 rec. 2.0 overall GPA. C or better in ENG 101 and COM 110 req. Formerly 200.03. Compucard charge optional. Incl Clin Exp.

Focuses on the social, economic, and political forces that influence the development, organization, and purposes of secondary schools.

216 SECONDARY EDUCATION

4 F,S,Summer

2.0 overall GPA. C or better in C&I 214, 215 and PSY 215 req. The same hour free, daily, between the hours of 8:00 a.m. and 3:00 p.m. (8:00 a.m. and noon during Summer session) for the 2 to 3-week in-school field experience. All sections of PPST passed. Incl Clin Exp.

Focuses on techniques used by teachers in all subject areas to plan, teach, and evaluate instructional units. Includes microteaching and classroom teaching.

232 EDUCATION IN THE INNER CITY: AN INTRODUCTION

3 F,S

Materials charge optional.

Social, economic, and cultural forces that contribute to deprivation in urban areas; their specific relationship to education.

233 EDUCATION AND THE EARLY ADOLESCENT

3 F,S,Summer

JH/MS maj only. C&I 130 or conc reg req. 2.5 overall and maj GPA. C or better in ENG 101 and COM 110. All sections of PPST passed. Incl Clin Exp.

Organizational structure of American public education; provisions for early adolescent education; understanding the characteristics of the early adolescent student; the role of the teacher of early adolescents.

- 254 MANAGEMENT, MEASUREMENT, AND CURRICULUM** 3 F,S
El Ed maj only. Jr standing. 2.5 overall and maj GPA. C or better in ENG 101 and COM 110. All sections of PPST passed.

Development of a knowledge base and professional skills to deal effectively with classroom management, measurement, and curriculum.

- 255 TEACHING READING IN THE ELEMENTARY SCHOOLS** 3 F,S
C&I 210 and 254 req. Conc reg in C&I 259.01 req. 2.5 overall and maj GPA.

Programs, materials, and methods used in teaching reading emphasizing the relationship between reading, the other language arts, and content areas.

- 256 TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOLS** 3
C&I 210 and C&I 254 req. Conc reg in C&I 259.02. 2.5 overall and maj GPA.

Teaching language arts emphasizing the inter-relatedness among the language arts and the integration of language arts with other content areas.

- 257 TEACHING SCIENCE IN THE ELEMENTARY SCHOOLS** 3 F,S
C&I 255 and 256; 9 hrs of science req. including 1 lab course. Conc reg in C&I 259.03 req. 2.5 overall and maj GPA. Adm to Teacher Ed req. Materials charge optional.

Methods associated with effective K-9 science instruction. Emphasis placed upon activity-based instructional strategies.

- 258 TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOLS** 3 F,S
C&I 255 and 256 req. 9 hrs of science req including 1 lab course. Conc reg in C&I 259.04 req. 2.5 overall and maj GPA. Adm to Teacher Ed req. Materials charge optional.

Methods essential to effective K-9 social studies instruction. Focuses on current directions, research, and individual needs of diverse students population.

- 259 FIELD EXPERIENCES IN THE ELEMENTARY SCHOOLS** 104 F,S
Conc reg req as follows: C&I 255 with 259.01; C&I 256 with 259.02; C&I 257 with 259.03; and C&I 258 with 259.04. May be repeated. Students responsible for trans to field sites.

Field-based experiences for opportunities to observe, plan, and practice.

- 260 CORE III - THE ARTS IN EARLY CHILDHOOD EDUCATION** 8 S
C&I 262 req. Overall and maj GPA 2.5. Admission to Teacher Ed req. Incl Clin Exp. Materials charge optional.

Materials, techniques of teaching art, creative drama and music in ECE programs, and the role of play across the curriculum.

- 261 CORE I - COMMUNICATION SKILLS IN EARLY CHILDHOOD EDUCATION** 8 S
ECE maj only. 40 hrs req. Conc reg in C&I 301 req. Overall and maj GPA 2.5. C or better in ENG 101 and COM 110. All sections of PPST passed. Incl Clin Exp. Materials charge optional.

Modern programs, materials, techniques of teaching prereading, language arts and literature in ECE programs. Child growth, and curriculum.

- 262 CORE II - NATURAL AND SOCIAL SCIENCES IN EARLY CHILDHOOD EDUCATION** 8 F
C&I 261 req. Overall and maj GPA 2.5. Incl Clin Exp. Materials charge optional.

Modern programs, materials and techniques of teaching mathematics, science and social studies in ECE programs. Child growth and curriculum.

- 270 ELEMENTARY SCHOOL CURRICULUM** 4 F,S
SED 220 or conc reg req. Incl Clin Exp. Not for cr if El Ed maj.

Development of elementary school curriculum and classroom organization. Current teaching strategies and materials for language arts, science, and social studies.

- 300 EDUCATIONAL ROLE OF PLAY IN EARLY CHILDHOOD** 3 S
Incl Clin Exp. Materials charge optional.

Emphasizes the process of play and its relationship to personal and cognitive development during the first eight years of life. Historical and current theories of play.

- 301 PREKINDERGARTEN EDUCATION PRINCIPLES AND PRACTICES** 3 F,S
Incl Clin Exp. Materials charge optional.

Principles and practices of planning, teaching, and evaluating prekindergarten programs. Emphasizes living-learning experiences, activities, materials, and equipment appropriate for children in prekindergarten environments.

- 312 URBAN FIELD EXPERIENCE** 6 Summer
Incl Clin Exp.

An off-campus, community-based experience in urban schools, local community agencies and state and private institutions serving youth.

- 317 DIAGNOSTIC TEACHING TECHNIQUES IN ELEMENTARY READING AND LANGUAGE ARTS** 4 F,S
Conc reg in STT 399.50 req. Offered only at Clin Ctr sites. May Incl Clin Exp. Students responsible for transportation to Clin sites.

Extending, interpreting, and applying reading and language arts principles and skills. Experiences with individual pupils and groups provided.

- 318 SCHOOL/COMMUNITY INVOLVEMENT** 2-6 F,S
Conc reg in STT 399.50 or C&I 263 req. Incl Clin Exp. Students responsible for trans to Clin sites.

Involvement with community programs and schools. Student assumes the role of a volunteer participant under the guidance and supervision of a professor and a designated agency or school representative.

- 331 HISTORY AND PHILOSOPHY OF EARLY CHILDHOOD EDUCATION** 3 F,S
C&I 300 or 301 req.

Emphasis given to major events and theories having an impact on Early Childhood Education in its contemporary form.

- 332 EDUCATION IN THE INNER CITY** 3 Summer
Incl Clin Exp.

Problems of educating students living in inner city. Student characteristics, needed teacher skills and attitudes, instructional materials, techniques, school and community programs.

**333 JUNIOR HIGH/
MIDDLE SCHOOL** 3 F,S,Summer
C&I 233 req. 2.5 overall and maj GPA.

Philosophy, functions, curricula of early adolescent education as implemented in junior high/middle schools. Relationships between pupils' developmental characteristics, needs, and behaviors and development of school programs. Problems, issues, evaluation and accreditation of junior high/middle schools.

**351 SCIENCE METHODS FOR
THE MIDDLE SCHOOL** 3 F
Middle School maj only or cons prog coord. C&I 233 req.

Strategies for teaching science which center around developing scientific literacy principles in the early adolescent child.

**352 SOCIAL STUDIES METHODS
FOR THE MIDDLE SCHOOL** 3 S
Middle School maj only or cons prog coord. C&I 233 req. Incl Clin Exp.

Methods of social studies instruction for pre-service middle school teachers. Includes examination and use of instructional strategies and curriculum materials.

**390 JUNIOR HIGH/MIDDLE
SCHOOL CURRICULUM** 3 F,S
C&I 233 or cons inst req. 2.5 overall and maj GPA. Adm to Teacher Ed req. Incl Clin Exp.

Methods and materials for teaching-learning experiences at this school level; instructional strategies; classroom management; guidance techniques; and pupil evaluation.

**395 CURRICULAR DESIGNS,
EVALUATION AND
PROBLEMS IN EARLY
ADOLESCENT EDUCATION** 3 F,S
C&I 390 or conc reg req. 2.5 overall and maj GPA. Incl Clin Exp.

Curriculum designs, principles of curriculum development, and problems encountered by practitioners in early adolescent education.

**398 PROFESSIONAL PRACTICE:
SCHOOL/COMMUNITY
INVOLVEMENT** 2-6

EDUCATIONAL ADMINISTRATION AND FOUNDATIONS (EAF)

331 DeGarmo Hall, (309) 438-5422

Interim Chairperson: Don Kachur.

Tenure/Tenure-track Faculty:

Distinguished Professors: P. Baker, Hickrod.

Professors: Arnold, Eisele, Halinski, Hines, McCarthy, Nelson, Pancrazio, Riegle, D. Strand, K. Strand.

Associate Professors: Klass, Mogilka, Padavil Michaelis.

Assistant Professors: Ashby, Hecht, McNeal, Palmer.

Other Faculty:

Faculty Fellow: Thomas.

Instructional Faculty: Assistant Professor: Kazmi.

Lecturers: Blacker, Jackson, Struck.

Administrative/Professional: Pruyn.

Educational Administration and Foundations Courses

The Department of Educational Administration and Foundations offers courses at the undergraduate level to facilitate Teacher Education programs. For a complete description of the Department's graduate program and offerings, consult the *Graduate Catalog*.

228 SOCIAL FOUNDATIONS 3 F,S
Education as a social process and function, social origins of contemporary educational problems.

**231 INTRODUCTION TO
PHILOSOPHY OF EDUCATION** 3 F,S
May Incl Clin Exp.

Philosophical inquiry into educational policies and practices.

235 HISTORICAL FOUNDATIONS 3 F,S
Inquiry into the history of American public schooling.

SPECIALIZED EDUCATIONAL DEVELOPMENT (SED)

109 Fairchild Hall, (309) 438-5419

Chairperson: Paula Smith.

Tenured/Tenure-track Faculty:

Professors: Aloia, Bowen, Bowren, Caldwell, Eiben, Hemenway, Jones, Lee, Lian, McCarty, Miller, Morreau, Moss, Smith, Stearns, Tucker.

Associate Professors: Baker, Bruyere, Crowely, Lartz.

Assistant Professors: Briggs, Coe, DeMario, Noyes, Stephens, Wheeler.

Other Faculty:

Instructor: Weddig.

Faculty Fellow: Professor: Rex.

Lecturers: Boyle, Fulk, Gottlieb, Groves, Hubbard, Kaniewski, Litchfield, Mummert, Owen, Ridgeway, Sanidas, Sessions, Summers, Swerdlik, Wardell, Washer, Witt-Kannady.

Special Education Programs

Degrees Offered: B.A., B.S., B.S. in Ed.

Admission to Special Education Programs: The undergraduate program in Special Education is a selective admission program with a limited number of students admitted to each of the sequences. Students desiring to be admitted to the Special Education Program must be admitted to a sequence. For a limited number of students who are unsure of the category of individuals with disabilities with whom they wish to work, there is a General Special Education category. All Special Education undergraduates must have declared a sequence before admission to Teacher Education or no later than the Fall semester of their junior year. An overall GPA of 2.5 is required for admission to Special Education.

Students desiring to change their Major to Special Education should follow the procedures described in this Catalog.

Changes in major or sequence will be approved only if there are openings in the sequence the student desires to enter.

Professional Requirements Applicable to All Special Education Programs: All students in Special Education complete 22 to 40 hours of Professional Requirements, spec-

ified for each sequence below, in addition to the requirements for their specific sequence. Students in STT 399 (Student Teaching) receive 15-16 hours of credit dependent upon the Special Education Sequence in which they are enrolled. Undergraduates in Special Education must be admitted to Teacher Education prior to enrolling in the following courses: SED 224, 245.01, 245.03, 245.04, 245.06, 245.07, 345, 349, 351, 354, 355, 358, and 359.

MAJOR IN SPECIAL EDUCATION

Deaf and Hard of Hearing Sequence: Sequence Requirements: 44-45 hours required in addition to Professional Requirements. Part of entitlement program leading to certification: Special K-12. Required courses: ART 101; BSC 181, 182; ENG 170; ENG 241 or 243 or 341; SED 330, 353, 354, 355, 359; PAS 211, 272, 350, 351. Professional Requirements: 40 hours including C&I 210; C&I 270 or 390; EAF 228 or 231 or 235; PSY 232, 334, 346; SED 145, 220; STT 399 (15 hrs). Of the 15 hours of STT 399 required in this sequence, one experience must be at the elementary level, and one experience must be at the junior high/high school level. Admission to Teacher Education is required prior to enrollment in SED 354, 355, and 359. Grade of "C" or higher in SED 330, 331, 353, 354, 355, 359 required before student teaching.

Learning and Behaviorally Disordered Sequence: Sequence Requirements: 44-45 hours in addition to Professional Requirements. Part of entitlement program leading to certification: Special K-12. Required courses: at least 6 hours of MAT electives; PSY 234, 247; PAS 115; C&I 270 or 390; SED 220, 221, 223, 224, 301, 363, 370, 380; 6 hours req from: ART 101, 207; COM 240; C&I 110, 232; ENG 170, 271, 272; HEC 310; HPR 222, 225, 349, 359, 370, 372, 374, 386; MUS 371; PSY 333, 360; SED 109, 313, 314, 315, 360; SWK 323, 365. Professional Requirements: 30 hours including C&I 210; EAF 228 or 231 or 235; SED 145, 245.06, 245.07; STT 399 (15 hrs). Of the 15 hours of STT 399 required in this Sequence, one experience must be at the elementary level, and one experience must be at the secondary level. Admission to Teacher Education is required prior to enrollment in SED 224, 245.06, 245.07, and 363. A grade of "C" or higher in SED 221, 223, 224, 245.06, 245.07, 301, 363, 370 required before student teaching.

Mentally Handicapped, Educable Sequence: Sequence Requirements: 44-45 hours in addition to Professional Requirements. Part of entitlement program leading to certification: Special K-12. Required courses: at least 6 hours of MAT electives; PSY 234; PAS 115; C&I 270 or 390; SED 220, 221, 223, 224, 301, 343, 363, 370, 380; 6 hours req from: ART 101, 207; COM 240; C&I 110, 232; ENG 170, 271, 272; HEC 310; HPR 222, 225, 349, 359, 370, 372, 374, 386; MUS 371; PSY 333, 360; SED 109, 313, 314, 315, 360; SWK 323, 365. Professional Requirements: 30 hours including C&I 210; EAF 228 or 231 or 235; SED 145, 245.06, 245.07; STT 399 (15 hrs). Of the 15 hours of STT 399 required in this Sequence, one experience must be at the elementary level, and one experience must be at the secondary level. Admission to Teacher Education is required prior to enrollment in SED 224, 245.06, 245.07, and 363. A grade of "C" or higher in SED 221, 223, 224, 245.06, 245.07, 301, 343, 363, 370 required before student teaching.

Mentally Handicapped, Trainable Sequence: Sequence Requirements: 37-39 hours required in addition to Professional Education requirements. Part of entitlement program leading to certification: Special K-12. Required courses: SED 145, 244, 245.02 (3 hrs), 245.03 (1 to 3 hrs), 313, 314,

315, 343, 345, 370, 372, 373, 380; HPR 382; PAS 115. Professional Requirements: 22 hours including C&I 210; EAF 228 or 231 or 235; STT 399 (16 hrs), with 8 hours at the elementary level and 8 hours at the junior high/high school level. Admission to Teacher Education is required prior to enrollment in SED 245.03 and 345. Grade of "C" or higher in SED 244, 245.02, 245.03, 343, 345, 372 required before student teaching. A concentration in the education of the Severely/Profoundly Handicapped is available with the approval of the student's SED advisor.

Physically Handicapped Sequence: Sequence Requirements: 49 hours required in addition to Professional Requirements. Part of entitlement program leading to certification: Special K-12. Required courses: ART 101, 207; BSC 181, 182, 183, 381; ENG 170; at least 3 hours of GEO electives; HPR 222; HEC 106; at least 5 hours of MAT electives; MUS 371; SED 245.01, 301 349. 385; PAS 115. Professional Requirements: 34 hours including C&I 210; 270 or 390 (16 hrs). Of the 16 hours in STT 399 required in this Sequence, 8 hours must be at the elementary-level, and 8 hours at the junior high/high school-level. Admission to Teacher Education is required prior to enrollment in SED 245.04 and 349. A grade of "C" or higher in SED 245.01, 349, and 385 required before student teaching.

Visually Handicapped Sequence: Sequence Requirements: 47 hours required in addition to Professional Requirements. Part of entitlement program leading to certification: Special K-12. Required courses: BSC 382; BEA 108 or department proficiency examination; ENG 170; PAS 115; at least 5 hours of MAT electives; SED 245.04, 301, 326, 350, 351, 352, 356, 357, 358, 370; 3 hours required from SED courses. Professional Requirements: 34 hours including C&I 210; 270, 280, or 390; EAF 228, 231, or 235; PSY 234; SED 145, SED 220, STT 399 (16 hrs). Of the 16 hours in STT 399, 8 hours must be at an elementary-level placement and 8 hours must be at a junior high/secondary-level placement. Admission to Teacher Education is required prior to enrollment in SED 245.04, 351, and 358. A grade of "C" or higher in SED 245.04, 350, 351, 352, 356, and 358 is required for student teaching.

Concentration in Criminal Justice Science: A B.A. or B.S. in Education with a concentration in Criminal Justice Sciences requires completion of the Special Education Major in Learning and Behavioral Disorders, or the Educable Mentally Handicapped Entitlement Sequence plus 12 hours in the Department of Criminal Justice Sciences as determined by the advisement process.

MINOR IN READING

For Teacher Education:

- 24 hours required, including 12 hours in reading, 3 hours in measurement, and 9 hours of directed electives. Note: 12 hours in reading in categories designated by the State of Illinois, a literature course appropriate to the teaching level, and an additional approved reading course must be completed to meet the requirements of the Illinois State Board of Education Staff qualifications.
- Required courses:
Reading (12 hrs) including 3 hours selected from C&I 214 or SED 220; 6 hours selected from SED 301, 304, 305, and 306, and 3-4 hours from SED 302 or C&I 317. Measurement (3 hrs) selected from EAF 270; PSY 234, 334. Directed electives (9 hrs) including 3 hours selected from C&I 210; PSY 112, 215; 3 hours selected from ENG 241, 243, 245, 310, and 341; and an additional 3 hours selected by student with approval of faculty advisor from any of above listed courses.

Specialized Educational Development Courses

- 109 HELPING RELATIONSHIPS** 3 F,S
2 hrs lecture; 2 hrs lab.

Development of human relations skills used in interpersonal communication.

- 145 INTRODUCTION TO SPECIAL EDUCATION** 3 F,S
Incl Clin Exp.

Provides survey of all areas in special education related to services for individuals with disabilities.

- 220 READING METHODS** 3 F,S
C&I 210 or PSY 215 req. Not for cr if in El Ed Core Program. Incl Clin Exp.

Instruction in, observation of, use of materials and techniques in teaching reading strategies, comprehension, and critical reading.

- 221 FUNDAMENTALS OF TEACHING SPECIAL EDUCATION** 3 F,S
SED 145 req. Maj only or cons dept chair req. Incl Clin Exp. Students responsible for trans to Clin sites. Materials charge optional.

Introduction to teaching in special education including legal aspects, structure of services, roles of the teacher, background knowledge in classroom management/remediation.

- 222 SURVEY OF READING DIAGNOSIS** 3 F,S
SED 220 or C&I 255 req; or ED or PSY measurement rec. Incl Clin Exp.

Presents survey and diagnostic standardized reading tests and informal reading inventories as means of reading diagnosis with recommendations for instruction.

- 223 EDUCATIONAL ASSESSMENT OF STUDENTS WITH MILD DISABILITIES (LD/BD/EMH)** 3 F,S
PSY 234 req. Maj only or cons dept chair req. Formerly EDUCATIONAL ASSESSMENT OF MILDLY HANDICAPPED (LD/BD/EMH) STUDENTS.

Techniques for gathering, analyzing and utilizing assessment data to develop individualized educational programs for mildly disabled children and youth.

- 224 CURRICULUM AND METHODS FOR TEACHING STUDENTS WITH MILD DISABILITIES (LD/BD/EMH)** 6 F,S
SED 221, 223, 301, 370, and C&I 270 or 390 req. Conc reg in SED 245.06, 245.07, and 363. Maj only or cons dept chair req. Adm to Teacher Ed req. Part of the field-based programs offered in Bloomington/Normal, Peoria, and Gurnee, IL. Students must provide own trans to field sites. An application must be filed for acceptance to one of the field-based programs. Materials charge optional. Formerly CURRICULUM AND METHODS FOR TEACHING MILDLY HANDICAPPED (LD/BD/EMH) STUDENTS.

Curriculum and materials for teaching academic and social skills; direct and systematic instruction, evaluation/adaptation of materials and media.

- 244 CURRICULUM FOR STUDENTS WITH MODERATE/SEVERE MENTAL RETARDATION** 3 F

Analysis of curricular approaches, areas and levels as related to characteristics and needs of individuals with mental retardation.

- 245 FIELD WORK IN SPECIAL EDUCATION** 1-6 F,S
Adm to Teacher Ed. req. May be repeated. Incl Clin Exp. Students responsible for trans to Clin sites.

Supervised clinical experiences in special education programs in schools, clinical facilities, community agencies, residential institutions. Topic .01 Physical Disabilities; Topic .02 Intro TMH & S/P; Topic .03 Educ of TMH; Topic .04 Visual Disabilities; Topic .05 Multiple Disabilities; Topic .06 EMH; Topic .07 LD/BD; Topic .08 Hearing Impaired.

- 301 LABORATORY READING METHODS** 3 F,S
SED 220 req. Incl Clin Exp.

Supervised school experiences in diagnosis and instruction for elementary and junior high school students needing support in reading instruction. May include off-campus clinical experiences. Students responsible for transportation to school sites.

- 302 ADVANCED READING METHODS** 3 F
SED 220 req.

Practical problems using group evaluation. Techniques in selecting reading materials in elementary, middle school, and junior high classrooms. Integrates reading with skill development activities.

- 304 READING DEVELOPMENT: EARLY ELEMENTARY** 3 F,S
ECE maj/min only. Incl Clin Exp.

Extension and integration of the concepts and skills utilized in teaching literacy learning in the early elementary years.

- 305 PRE-FIRST GRADE READINESS FOR READING** 3 F,S
SED 220 req. Incl Clin Exp.

Enables students to present pre-reading and beginning reading skills to pre-first grade children. A practicum experience is provided.

- 306 READING DEVELOPMENT FOR EARLY ADOLESCENCE** 3 F,S
Junior high/middle school maj only. Incl Clin Exp.

Provides the junior high/middle school student with knowledge, skills, and abilities to work with the developmental reading growth of early adolescents. A practicum experience is provided.

- 313 SPECIAL ADAPTATIONS FOR INDIVIDUALS WITH VISUAL DISABILITIES** 1 F
Not for cr to students specializing in Visually Disabled. Incl Clin Exp.

Implications of visual disabilities for the individual in educational, travel, vocational and other settings.

- 314 SPECIAL ADAPTATIONS FOR INDIVIDUALS WITH PHYSICAL DISABILITIES** 1 F
Not for cr to students specializing in Physically Disabled. Incl Clin Exp.

Implications of physical disabilities for the individual in educational, travel, vocational, and other settings.

- 315 SPECIAL ADAPTATIONS FOR INDIVIDUALS WITH HEARING DISABILITIES** 1 F
Not for cr to students specializing in Hearing Disabilities. Incl Clin Exp.

Implications of hearing disabilities for the individual in educational, travel, vocational, and other settings.

325 MICROCOMPUTER APPLICATIONS FOR TEACHERS OF STUDENTS WITH VISUAL DISABILITIES**2 S***SED 352, 356; or cons inst req. Materials charge optional.*

Equipment and programs utilizing current technology for micro-computer-assisted interactive instruction and transcription of materials for blind, low vision, and visually limited individuals.

326 BRAILLE WORD PROCESSING**1 S***SED 352, 356; or cons inst req. Materials charge optional.*

Paperless braille word processing hardware as a stand-alone system and interfaced with braille embossers, inkprint printers, other peripherals; use of Grade 2 transcription.

330 THE LANGUAGE OF SIGNS AND FINGERSPELLING**2 F,S***Lab req.*

Beginning course in developing expressive and receptive skills in sign language and fingerspelling.

331 CONVERSATIONAL SIGN LANGUAGE**2 F,S***SED 330 req.*

Advanced course in sign language including signed English vocabulary, conversational sign, and sign linguistics.

343 MENTAL RETARDATION**3 F,S**

Medical, psychological and sociological characteristics and behavior of individuals with mental retardation. Methods of classification, etiology and rehabilitative aspects.

345 EDUCATION OF STUDENTS WITH MODERATE/SEVERE MENTAL RETARDATION**3 F,S**

SED 244 or 445, and 343 or conc reg req. Conc reg in appropriate Clin Exp (SED 245.03 or 431) or cons inst req. Adm to Teacher Ed req. Includes off-campus Clin Exp. Students responsible for trans to Clin sites. Materials charge optional.

Classroom organization strategies, teaching methods and materials for curriculum content areas across the psychosocial, applied and cognitive domains for individuals from birth through adulthood.

346 EDUCATION OF STUDENTS WITH MILD MENTAL RETARDATION**3 F,S***SED 343 or cons dept chair req. Materials charge optional.*

Objectives, curriculum, and methods for teaching individuals with mild cognitive disabilities.

349 EDUCATIONAL ASSESSMENT AND TEACHING OF STUDENTS WITH PHYSICAL DISABILITIES**4 S**

SED 385 or cons inst req. Conc reg in appropriate Clin Exp (245.01 or 431.61). Adm to Teacher Ed req. Formerly EDUCATIONAL DIAGNOSIS AND TEACHING OF THE PHYSICALLY HANDICAPPED.

Application of educational assessment to educational programming and teaching of physically disabled individuals.

350 INTRODUCTION TO VISUAL DISABILITIES**3 F**

SED 145 or cons dept chair req. Incl Clin Exp. Formerly INTRODUCTION TO VISUAL HANDICAPS.

Nature and needs of visually disabled, infants, children and adults.

351 EDUCATION AND ASSESSMENT OF STUDENTS WITH VISUAL DISABILITIES**3 F**

SED 350 and 356, or cons dept chair req. Incl Clin Exp. Adm to Teacher Ed req. Students responsible for trans to Clin sites. Formerly EDUCATION AND ASSESSMENT OF THE VISUALLY HANDICAPPED.

Application of educational diagnosis to educational programming and instruction of individuals with visual disabilities.

352 BRAILLE READING AND WRITING**3 S***Cons dept chair req. Materials charge optional.*

Preparation in reading and writing using the Braille Literary Code. Includes an introduction to Braille Textbook Format.

353 EDUCATION OF DEAF STUDENTS**2 F**

SED 145 or cons dept chair req. Incl Clin Exp. Formerly EDUCATION OF THE DEAF.

Psychological, social, historical, and educational problems relating to education of hearing impaired individuals.

354 THE TEACHING OF SPEECH TO DEAF STUDENTS**4 F,S**

SED 355, PAS 211 or cons dept chair req. Incl off-campus Clin Exp. Students are responsible for trans to Clin sites. Adm to Teacher Ed req. Formerly THE TEACHING OF SPEECH TO THE DEAF.

Principles and techniques of developing and teaching speech to hearing impaired students at all grade levels.

355 THE TEACHING OF LANGUAGE TO DEAF STUDENTS**4 F,S**

SED 330 and 353 or cons dept chair req. Incl off-campus Clin Exp. Students are responsible for trans to Clin sites. Adm to Teacher Ed req. Formerly THE TEACHING OF LANGUAGE TO THE DEAF.

Principles and techniques of teaching language to hearing impaired students at all grade levels.

356 COMMUNICATION SKILLS FOR STUDENTS WITH VISUAL DISABILITIES**3 S**

SED 352 req. Materials charge optional. Formerly COMMUNICATION SKILLS FOR THE VISUALLY HANDICAPPED.

Preparation in reading and writing using Nemath Code in teaching mathematics and communication skills to individuals with visual disabilities.

357 ORIENTATION AND MOBILITY FOR CLASSROOM TEACHERS**2 F**

Practicum in basic daily living skills and rudimentary mobility techniques for individuals with visual disabilities.

358 READING AND LANGUAGE ARTS FOR STUDENTS WITH VISUAL DISABILITIES**3 F**

SED 220, 301, 350 and 352 req. Adm to Teacher Ed req. Formerly READING BY BRAILLE AND OPTACON.

Development of competencies to teach reading and language arts to students who use print, braille, and auditory media. Instructional techniques and materials emphasized.

359 THE TEACHING OF READING AND SCHOOL SUBJECTS TO DEAF STUDENTS**4 F,S**

SED 355 req. Incl off-campus Clin Exp. Students are responsible for trans to Clin sites. Adm to Teacher Ed req. Formerly THE TEACHING OF READING AND SCHOOL SUBJECTS TO THE DEAF.

Teaching reading to hearing impaired students at all grade levels, with practicum in reading and other core subjects.

360 SCHOOL COUNSELING 3 S

Backgrounds, philosophy, and services in school counseling programs. Conceptual models emphasize educational, developmental, and preventive approaches to planned change.

362 BASIC SKILLS IN COUNSELOR EDUCATION 3 F,S
Lecture and lab.

Introduction to, and laboratory practice in, the basic procedures and skills of counseling.

363 FAMILY COUNSELING 3 F,S

Theories and techniques of child-management, consultation procedures, parent and family education, and counseling.

370 INSTRUCTIONAL PROGRAMMING FOR STUDENTS WITH DISABILITIES 3 F,S
Formerly INSTRUCTIONAL PROGRAMMING FOR THE HANDICAPPED.

Procedures for determining individual behavioral needs, designing instructional sequences, implementing behavior change programs, and evaluating effects of programs for individuals with disabilities.

372 EDUCATIONAL ASSESSMENT OF INDIVIDUALS WITH PROFOUND DISABILITIES 3 S
Incl Clin Exp. Formerly EDUCATIONAL DIAGNOSIS OF SEVERELY AND PROFOUNDLY HANDICAPPED INDIVIDUALS.

Application of diagnostic skills to the assessment of severely and profoundly disabled individuals, designing individualized programs, and evaluating client progress and program effectiveness.

373 SPECIAL EDUCATIONAL INTERVENTION WITH PARENTS OF INDIVIDUALS WITH DISABILITIES 3 S
C&I 210, a teaching methods course, or equiv req. Formerly SPECIAL EDUCATIONAL INTERVENTION WITH PARENTS OF HANDICAPPED INDIVIDUALS.

Theoretical and practical aspects of providing special educational intervention to parents of disabled learners.

374 EDUCATIONAL ASSESSMENT OF PRESCHOOL CHILDREN WITH DISABILITIES 3 F,S
SED 145 or cons inst req. Formerly EDUCATIONAL ASSESSMENT OF THE PRESCHOOL HANDICAPPED.

Techniques and issues involved in gathering, analyzing and synthesizing data for developing and monitoring individualized educational programs for preschool children with disabilities.

380 EMPLOYMENT ANALYSIS FOR INDIVIDUALS WITH DISABILITIES 3 F,S
Also offered as IT 307. Materials charge optional. Formerly EMPLOYMENT ANALYSIS FOR THE EXCEPTIONAL.

Developing vocational/career education programs and synthesizing employment opportunities for students with disabilities.

385 PHYSICAL DISABILITIES; SURVEY AND REHABILITATION 3 F
BSC 381 or HPR 282 req. Also offered as HPR 385. Lecture and lab. Incl Clin Exp.

Identification and treatment of physical disabilities of children; special services, equipment, and procedures for school programs.

UNIVERSITY-WIDE TEACHER EDUCATION PROGRAM REQUIREMENTS

This section of the *Undergraduate Catalog* provides information needed by students in Teacher Education programs. Students seeking further information or clarification on information presented here should contact the Office of Clinical Experiences and Certification Processes (CECP), located in DeGarmo Hall. Information pertaining to requirements for admission to Teacher Education and matters related to certification in Illinois State University programs is provided to all Teacher Education majors by the CECP Office.

Each student who completes a bachelor's degree program in an approved Teacher Education program, and who is recommended for certification by the Dean of the College of Education as having completed all requirements (General Education, Professional Education, and field of study or area of specialization) is recommended for a teaching certificate in the State of Illinois. When a student has completed all of the requirements for a degree, including a recommendation from the Dean of the College of Education, the Evaluation Office at Illinois State University will send to the student the documentation necessary to apply for the appropriate Illinois Teaching Certificate. In order to satisfy Illinois certification requirements, all candidates must pass a test of basic skills (reading, writing, grammar, and mathematics) and a subject matter knowledge test administered by the Illinois State Board of Education.

Students who have already completed one or more non-teaching degrees and now seek admission to Teacher Education are advised to seek admission to the University as a candidate for a second bachelor's degree. Subsequent transcript analysis may determine that a second degree is not required. In this instance, the student who received a degree from a state Teacher Education approved institution will be allowed to complete the requirements for certification without completing the requirements of the second bachelor's degree. Students are advised that the Teacher Education certification requirements provided here are for Illinois and that they should check certification requirements for other states if they desire to be certified for teaching elsewhere.

Students who complete a bachelor's degree program in Teacher Education at Illinois State University also have their transcripts stamped, *Student has completed a state and NCATE approved program in Teacher Education.* (NCATE is the National Council for Accreditation of Teacher Education). This statement indicates that the program has received state approval and national accreditation. This status usually makes it easier to obtain a teaching certificate in another state. **NOTE:** Experienced teachers may be eligible for certificates from the Illinois State Board of Education by transcript evaluation. This certificate is not associated with an NCATE program, does not have the endorsement of the institution granting the course credit, and is not as readily recognized by other states.

Eligibility for certification is open to anyone who is legally present in the United States and is authorized for employment. Students interested in completing a Teacher Education program at Illinois State must (1) be admitted to Teacher Education, (2) complete General Education and Professional Education requirements including a minimum of 100 clock hours of approved pre-student teaching clinical experiences, field of study or area of specialization coursework appropriate

to the Early Childhood Education, Elementary, Junior High School, High School, Special K-12, or Special Education curriculum, (3) successfully complete student teaching or practicum, (4) have a 2.50 overall GPA in all work taken at Illinois State, and (5) be recommended for certification by the Dean of the College of Education.

Individuals convicted of a felony should contact the Office of Clinical Experiences prior to application for Admission to Teacher Education.

Certification Programs

Students who fail to maintain the specific GPA required by their teaching or other certification program may be dismissed from that program. At the option of the Department, students dropped from the program may pursue a degree in their major or be classified as General Students and will receive academic advisement from the Academic Advisement Center. In order to become candidates for a certification program after being dropped, students must be accepted by the department in which they desire to pursue a certification program.

Council for Teacher Education

Five colleges of Illinois State University offer bachelor's degree programs that lead to teacher certification in the State of Illinois. These five Colleges include the College of Applied Science and Technology, the College of Arts and Sciences, the College of Business, the College of Education, and the College of Fine Arts. The Council for Teacher Education is responsible for developing policies for Teacher Education and for providing avenues of communication among all of the areas of the University concerned with Teacher Education. The Dean of the College of Education serves as the University's certification officer and is responsible for maintaining the relationship between campus programs and state certification officials.

Admission-Retention Program

The following policies concerning admission-retention in Teacher Education apply to all students pursuing Teacher Education programs in any department of any college of the University.

The Office of Clinical Experiences and Certification Processes administers the procedures for admission to Teacher Education based upon eligibility requirements established by the Council for Teacher Education. Additional departmental and academic major requirements for admission to Teacher Education may be established by Departments with approval of the Council for Teacher Education. A student should obtain information about departmental and academic major requirements from the department of the student's major field.

Admission Program

Eligibility for Admission to Teacher Education:

- a. Students, including those who transfer to Illinois State, must be registered in an Education major or sequence as identified in this Catalog.
- b. Application for admission to Teacher Education should be made after the completion of 30 hours, at least 12 of which must be graded hours earned at Illinois State University.
- c. Students must meet the GPA requirements for admission to Teacher Education described below at the time of admission and must maintain the average for the remainder of the program. A student must have an Illi-

nois State University cumulative GPA of 2.50 or higher for all undergraduate credit. Most programs also require a 2.50 or higher GPA in courses taken at Illinois State University which fulfill the requirements of the Major including all Professional Education courses when Professional Education courses are listed separately in the Catalog. Students should check with their major departments regarding specific GPA requirements for admission to Teacher Education.

- d. A student must demonstrate written communication skills in one of the following ways:
 - (1) The student must have earned a "C" or higher in English 101 at Illinois State.
 - (2) The student must have earned a "C" or higher in an equivalent English course taken at another university as approved by Illinois State.
 - (3) The student passes the English proficiency exam given by the Department of English at Illinois State.
- e. A student must demonstrate oral communication skills in one of the following ways:
 - (1) The student must have earned a "C" or higher in COM 110 at Illinois State.
 - (2) The student must have earned a grade of "C" or higher in an equivalent Speech course taken at another university as approved by Illinois State.
- f. A student must satisfactorily pass a speech check conducted by the Department of Speech Pathology and Audiology.
- g. A student must pass a basic skills test in reading, writing, and mathematics. (A fee is assessed.)
- h. A student must satisfy criteria for departmental approval for admission to Teacher Education.

Procedures for Admission: Students may initiate, monitor, and assess their status regarding admission to Teacher Education through the use of a mainframe computer terminal. For specific directions and accompanying documents, please contact the Office of Clinical Experience and Certification Processes, 310 DeGarmo Hall. Students who do not attend these meetings must contact the CECF Office as soon as they have completed 30 hours. Students should check with the major Department regarding specific departmental procedures and requirements for admission to Teacher Education. Additionally, students may be requested to complete the following:

- a. Interviews: All students should be available for interviews upon request.
- b. Entrance, Psychological, or Aptitude Exams: Students may be requested to take certain examinations for the purpose of assessing potentiality for teacher preparation and educational careers.

Students who are denied admission to Teacher Education or student teaching may file a petition for a hearing. Specific information regarding procedures for a hearing in accordance with the University's *Student Rights and Responsibilities* and with the policies of the Council for Teacher Education may be obtained in the Office of Clinical Experiences and Certification Processes.

Retention Program

Students are required to maintain the qualification requirements for admission to Teacher Education from the point of admission to the point of certification.

Admission to Teacher Education is a prerequisite for enrollment in certain courses of the program. The prerequisite is listed in this Catalog for each of the specified courses, and a complete listing is available from the Office of Clinical Experiences and Certification Processes.

A student must be formally admitted to Teacher Education and have satisfied all stipulated prerequisites prior to being assigned to student teaching.

Approved Teacher Education Programs

The list below includes all undergraduate Teacher Education programs approved by the State of Illinois and the National Council for Accreditation of Teacher Education (NCATE).

Early Childhood Education (This certificate extends through Grade 3).

Elementary: (K-9) Elementary Education; Middle School/Junior High School.

Secondary (6-12): Agriculture; Biological Sciences; Business Education; Chemistry; Dance; English; French; Geography; German; Health Education; History (only); Home Economics; Industrial Education; Mathematics; Physical Education; Physics; Social Science (including History); Spanish; Speech Communication; Theatre.

Special (K-12): Art; Business Education; Music; Physical Education; Blind and Partially Seeing (Visually Handicapped); Deaf and Hard of Hearing; Educable Mentally Handicapped (Mentally Handicapped-Educable); Learning Disabilities-Social/Emotional Disorders (Learning and Behaviorally Disordered); Physically Handicapped; Speech and Language Impaired (Speech Pathology-Graduate Level)*; Trainable Mentally Handicapped (Mentally Handicapped-Trainable).

***Students in the Speech and Language Impaired Program may take appropriate course work at the undergraduate or graduate level, but State of Illinois certification is only given at the successful completion of the master's degree.**

NOTE: Teaching certificates are available at the graduate level for reading and all areas of Special Education. Graduate level programs are also available for counseling, school psychology, and school administration.

All students enrolled in the University's approved Teacher Education programs should read carefully the High School, Special K-12, Junior High School, Elementary, Early Childhood Education, or Special Education section below for Professional Education requirements (including a minimum of 100 clock hours of approved pre-student teaching clinical experiences prior to student teaching) and *Field of Study or Area of Specialization (Major/Minor) requirements*. Students must also complete the appropriate general education requirements.

Teacher Education Major and Minor: To receive a certificate a student must complete a Teacher Education sequence for one of the majors listed above. A student may also complete requirements for any other major or minor.

Students seeking a high school teaching certificate through one of the following fields must also complete the requirements for a second teaching field: Chemistry, Geography, Health, Physics, Speech, and Theatre. The respective department will provide information on course work needed to complete the second teaching field.

Endorsements: The minimum course requirements for teaching fields for elementary and high school certificates are defined by the State of Illinois and are listed on the certificate as an endorsement. One or more endorsements will be earned by completing requirements for the elementary or high school certification programs at Illinois State University. Additional endorsements may be earned through the completion of the specified course work. Contact your advisor for information on requirements for endorsements.

General Education

To meet requirements of the Illinois State Board of Education, all Teacher Education programs must include a component of general education. Those requirements are outlined below for each of the two groups of certificates. Each student seeking a certificate will have the program of studies evaluated for completion of these requirements. The list of courses which meet the requirements can be reviewed at the Academic Advisement Office or from a department advisor for Teacher Education. The student who completes the Illinois State University Studies Program requirements is encouraged to work closely with an academic advisor in determining the appropriate selection of courses to avoid unnecessary duplication of coursework. Completion of University Studies does not ensure that the requirements for certification have been met.

Early Childhood and Elementary: Majors in Early Childhood Education, Elementary Education, and Junior High Education must complete the following 71-hour general education requirements, as specified by the State of Illinois, for their respective teaching certificates:

1. Communication Skills (9 hrs): 3 hours of oral communication (COM 110 or equivalent) and 6 hours of written communication (ENG 101 and ENG 145 or equivalent).
2. Mathematics and Science (18 hrs): 6 hours of mathematics (MAT 151 and 152 or 202 or equivalent); and 12 hours of biological and physical sciences, including 1 laboratory course.
3. Humanities* (15 hrs): 3 hours of American History**; 3 hours of English; and 9 hours of History**, English, Literature, Foreign Language, Fine Arts (Art, Music, Theatre), Linguistics, and/or Philosophy. **NOTE:** For Early Childhood Education the specific 3 hours of English is not required and the total hours of Humanities is 12.
4. Social Science* (9 hrs): 3 hours of American government (POS 105 or equivalent); and 6 hours of Political Science, Anthropology, Cultural Geography, Economics, Psychology, and/or Sociology. **NOTE:** For Early Childhood Education the total Social Science requirement is 12 hours and 3 hours of American Government is required.
5. Health and Physical Development (2 hrs): 2 hours of health and/or physical development.
6. Additional Study (18 hrs): Additional study in 1 discipline chosen from the disciplines listed in 2, 3, and 4 above which includes a minimum of 9 hours of upper-division coursework.

TOTAL of 71*** hours.

High School and Special: The following 47 hours of general education requirements, as specified by the State of Illinois, apply to individuals seeking a Standard Special K-12 teaching certificate or a Standard High School 6-12 teaching certificate. See the sections on each certificate for a list of Teacher Education majors available at Illinois State University.

1. Communication Skills (9 hrs): 3 hours of oral communication and 6 hours of written communication.
2. Mathematics and Science (12 hrs): 3 hours of mathematics; and 9 hours of biological and physical sciences, including 1 laboratory course.****
3. Humanities* (15 hrs): 3 hours of American History**; 3 hours of English; and 9 hours of history**, English, Literature, Foreign Language, Fine Arts (Art, Music, Theatre), Linguistics, and/or Philosophy.
4. Social Science* (9 hrs): 3 hours of American Government (POS or equivalent); and 6 hours of Political Science, Anthropology, Cultural Geography, Economics, Psychology, and/or Sociology.

5. Health and Physical Development (2 hrs): 2 hours of health and/or physical development.

TOTAL of 47*** hours. (Hours of credit counted for the purpose of meeting general education requirements may also be counted for the certification major field of specialization.)

*At least one 3-hour course must be taken in non-Western or third world cultures from either the humanities or social science.

**Courses in American History or History may be applied toward meeting either the Humanities or the Social Science requirements.

***In addition to hours of credit awarded, acceptance of competencies equivalent to the hours of credit prescribed will be counted if officially recorded on a college or university transcript.

****Both Biological and Physical Science credit must be included.

Early Childhood Education (Grades K-3)

Candidates completing the Early Childhood Education major will earn a certificate for teaching in preschool through grade 3. To complete the requirements for this certificate, the student must complete (1) the General Education requirements for an early childhood certificate and (2) the Professional Education requirements for the Early Childhood Education Major. The requirements for General Education are listed in the section above for Early Childhood Education certification. Students should work closely with an advisor in selecting courses which will meet the requirements of University Studies and general education for certification. Professional Education requirements are provided in the Department of Curriculum and Instruction section of this Catalog. Students will also complete a minimum of 100 clock hours of approved pre-student teaching clinical experiences prior to student teaching STT 399.

Elementary School (Grades K-9)

Candidates completing the Elementary Education Major will earn a certificate for teaching in kindergarten through ninth grade. The student may also elect to complete requirements for one or more endorsements to teach upper-level elementary/junior high school subjects. To complete the requirements for this certificate, the student must complete (1) the General Education requirements for an Elementary certificate and (2) the Professional Education requirements for the Elementary Education Major. The requirements for General Education are listed in the section above for Elementary Education certification. Students should work closely with an advisor in selecting courses which will fulfill the requirements of University Studies, General Education for certification, and the optional endorsement. Professional Education requirements are provided in the Department of Curriculum and Instruction section of this Catalog. Students will also complete a minimum of 100 clock hours of approved pre-student teaching clinical experiences prior to student teaching STT 399. Requirements for endorsements are available in the Office of Academic Advisement and from departmental advisors. Endorsements to the certificate are required in order to teach departmentalized courses in the upper elementary, middle-school, or junior-high schools.

Junior High/Middle School (Grades K-9)

Candidates completing the Junior High/Middle School Major will earn a certificate for teaching in kindergarten through ninth grade with two or more endorsements to teach upper-elementary/junior high school subjects. To complete the requirements for this certificate, the student must complete (1) the General Education requirements for an Elementary certifi-

cate, (2) the Professional Education requirements for the Junior High School Major, and (3) field of study requirements. The requirements for General Education are listed in the section above for Elementary Education certification. Students should work closely with an advisor in selecting courses which will meet the requirements of University Studies, General Education for certification, and the field of study. Professional Education requirements are provided in the Department of Curriculum and Instruction section of this Catalog.

Students in the program may prepare themselves to teach in selected subject areas of the junior high/middle school: Language Arts, Science, Social Studies, Health, Physical Education, Mathematics, Industrial Arts, Home Economics, Art, Music, Reading. See the description for the Junior High/Middle School Program in the Curriculum and Instruction section of this Catalog. Students should confer with their academic advisors when selecting courses in the areas of concentration so that such courses may enable them to meet the Illinois State Board of Education requirements for endorsements. A certificate must be endorsed in order to teach junior high and departmentalized upper elementary grades.

High School (Grades 6-12)

Candidates completing a Teacher Education sequence of a specified major will earn a certificate for teaching grades 6-12. To complete requirements for this certificate, the student must complete (1) the General Education requirements for High School Certificates, (2) the Professional Education requirements for Secondary Majors, and (3) field of study requirements. The requirements for General Education are listed in the section above. Professional Education and field of study requirements are listed below.

Professional Education Requirements: Each student preparing to teach at the secondary level (6-12) must complete the following program: EAF 228 or 231 or 235 (3 hrs); PSY 215 (3 hrs); C&I 214 (2 hrs); C&I 215 (2 hrs); C&I 216 (4 hrs); all Professional Education courses must be passed with a grade of "C" or higher; a minimum of 100 clock hours of approved pre-student teaching clinical experiences prior to student teaching; and Student Teaching 399. Special methods courses are listed as part of the academic major. Courses to meet Professional Education requirements may not be taken for CT/NC.

Field of Study Requirements: The student must complete a Teacher Education sequence of a specified major to earn a 6-12 teaching certificate. The approved Teacher Education Major or Comprehensive Major may be selected from the following programs which are described in detail in the undergraduate field of study section of this Catalog. Students who complete an Education Major in Geography, Health, or Theatre must also complete an Education Minor from the list below. Education minors or a second major may be elected by any student.

Fields of Study:

Agriculture—Education Major
 Anthropology—Education Minor
 Art—Education Minor
 Biological Sciences—Education Major and Education Minor
 Business Education—Education Major and Education Minor
 Chemistry—Education Major and Education Minor
 Economics—Education Minor
 English—Education Major and Education Minor
 French—Education Major and Education Minor
 Geography—Education Major and Education Minor
 German—Education Major and Education Minor
 Health—Education Major and Education Minor

History—Education Major and Education Minor
 Home Economics—Education Major
 Industrial Technology Major—Industrial Education Sequence
 Journalism—Education Minor
 Mathematics—Education Major and Education Minor
 Music—Education Minor
 Philosophy—Education Minor
 Physical Education—Education Major and Education Minor
 Physics—Education Major and Education Minor
 Political Science—Education Minor
 Psychology—Education Minor
 Reading—Education Minor
 Russian—Education Minor
 Social Sciences—Education Major
 Sociology—Education Minor
 Spanish—Education Major and Education Minor
 Speech Communication—Education Major and Education Minor
 Teaching English as a Second Language—Education Minor
 Theatre—Education Major and Education Minor
 Traffic and Safety—Education Minor

Students should confer with their academic advisors when selecting courses in the minor area so that such courses may enable them to meet requirements of the Illinois State Board of Education endorsements which must be satisfied in order to teach in high schools in Illinois. Requirements of endorsements are available from Department advisors and the Office of Academic Advisement.

Special (Grades K-12)—other than Special Education

Candidates completing a comprehensive major in selected fields of study may earn a certificate for teaching the subjects named therein in all grades of the common school. To complete requirements for this certificate, the student must complete (1) the General Education requirements for a High School Certificate, (2) the Professional Education requirements for K-12 majors, and (3) field of study requirements. The requirements for General Education are listed above. Professional Education and field of study requirements are listed below.

Professional Education Requirements: Each student preparing to teach at the K-12 level must complete the following courses: EAF 228 or 231 or 235 (3 hrs); PSY 215 (3 hrs); C&I 214 (2 hrs); C&I 215 (2 hrs); C&I 216 (4 hrs); all Professional Education courses must be passed with a grade of "C" or higher; a minimum of 100 clock hours of approved pre-student teaching clinical experiences in K-12 sites; Student Teaching 399. Students enrolled in Special K-12 programs will be assigned to do student teaching in K-12 sites. Courses to meet the Professional Education requirement may not be taken for CT/NC.

Field-of-Study Requirements: The approved Teacher Education Program for students enrolled in the Special K-12 program may be selected from the following programs which are described in detail in the undergraduate field-of-study section of this Catalog:

Art—Comp. Education Major
 Business Education—Business Education Major Option
 Music—Education Major
 Physical Education—Education Major
 Speech Pathology—Comp. Education Major (students must have a master's degree in the field to obtain the Illinois Certificate in Speech and Language and the ASHA clinical certificate.)

Students who complete one of the programs above and earn a K-12 certificate may teach only in that area. Students may complete any minor listed for the 6-12 certificate but may not teach in that area until a 6-12 certificate is granted through entitlement or transcript evaluation. Students should confer with their academic advisors when selecting courses in the minor area so that such courses may enable them to meet requirements of the Illinois State Board of Education.

Special Education (K-12)

Students in Special Education may complete a sequence in any of the following areas: Learning and Behaviorally Disordered, Deaf and Hearing-Disabled, Mentally Handicapped-Educable, Mentally Handicapped-Trainable, Physically Handicapped, and Visually Handicapped. To ensure full certification, the pattern of preparation should include general education as described above and the Professional Education and Area of Specialization requirements described in the Specialized Educational Development section of this Catalog.

All students will complete a minimum of 100 clock hours of approved pre-student teaching clinical experiences in K-12 sites. Students enrolled in the approved Special Education sequences will be assigned to do student teaching in K-12 sites.

Clinical Experiences in Teacher Education

Observation, participation, studies of individual pupils, simulated teaching, individual field work, student teaching and practicum are included in the program of clinical experiences. The experiences offered prior to student teaching are usually integral parts of specific college courses. Clinical experiences are provided in off-campus clinical teaching centers, in local schools and in campus laboratory schools, in agencies and other approved non-school settings. The Office of Clinical Experiences and Certification Processes coordinates all placements for clinical experiences. All students will have a minimum of 100 clock hours of approved pre-student teaching experiences prior to assignment of student teaching; students must provide their own transportation to clinical experience sites. Clinical experiences following student teaching include activities in which the student does additional study or has additional experiences as recommended by the instructor, supervising teacher, or college supervisor.

Requirements for Student Teaching

The following requirements for student teaching apply to all students:

The minimum requirement in student teaching is full-day for at least 10 weeks (e.g., a minimum of 50 attendance days). All assignments also require 36 clock hours of clinical work for each semester hour of credit (e.g., 10 semester hours—360 clock hours). More clock hours of clinical work are required in Speech Pathology.

The number of semester hours of student teaching or practicum required varies with the student's curriculum. A student does student teaching in his or her field of study. A student must meet all eligibility requirements for student teaching in that major field.

The following requirements must be met prior to participation in student teaching. Students may be removed from the student teaching assignment if at any time these requirements are not met.

1. Approval for student teaching by the Director of Clinical Experiences and Certification Processes (CECP). This approval will include verification of all of the following:
 - a. formal admission to Teacher Education at least 1 semester prior to the beginning of the student teaching semester;
 - b. successful completion at Illinois State University of at least 4 hours of Professional Education approved by the appropriate education department and the Director of CECP;
 - c. a minimum of 85 hours of college credit earned;
 - d. a minimum cumulative 2.50 GPA for all coursework completed at Illinois State University and a minimum major GPA for all coursework fulfilling major requirements for student teaching. The major GPA will include Professional Education courses which may be listed separately in the Catalog. Required major GPA's vary according to departmental criteria;
 - e. documentation of completion of at least 100 clock hours of approved pre-student teaching clinical experiences;
 - f. have on file in the Office of CECP a negative tuberculosis test statement from the University Student Health Service or other medical agency;
 - g. if requested, a statement from a physician indicating the student is emotionally capable of completing the duties of a certified teacher;
 - h. a written application for student teaching filed in the Office of CECP at least 6 months prior to the planned student teaching semester;
 - i. satisfactory completion of prerequisite courses to STT 399 (listed under University-wide Courses).
2. Approval for student teaching by the student's major department chairperson or designee. This approval will be based on all of the following:
 - a. content knowledge in the student's major area of study (and minor if a minor is required);
 - b. professional knowledge necessary for performing teaching responsibilities;
 - c. performance during the pre-student teaching clinical experiences;
 - d. evidence of personality characteristics and interpersonal skills necessary for working with children and youth;
 - e. completion of all other departmental requirements (see major department for a written statement of any additional requirements.)

Assignment to Student Teaching

The University will assign student teachers to selected schools or clinical centers in Illinois during regular semesters. Personnel of the Office of Clinical Experiences and Certification Processes, in cooperation with the head of the student's major department, make the student teaching assignments and other procedures involved in student teaching. Student teachers are assigned only to classrooms that have regularly employed full time and fully qualified teachers. Assignments are not made to a school in which the student teacher is concurrently employed as a teacher nor usually not to schools that are in his/her home communities or in communities in which she/he is currently residing. A student teacher may not earn academic credit and receive a salary or an income for the same teaching experience.

During this period in the school, the student teacher works with one or more supervising teachers who are responsible for teaching a specific group or groups of pupils. These supervising teachers, along with the college supervisors, have responsibility for guiding and evaluating the work of the student teacher. During this experience, the student becomes a member of the school staff and of the community in which he or she is working (co-curricular activities and community affairs are a part of the student teaching experience).

Any student who has a prolonged illness or temporary disability and who is unable to continue in his/her student teaching assignment should consult with the Director of the Office of Clinical Experiences. A clearance from a physician will be required stating that the student is again able to continue in his/her student teaching assignment without any contingencies.

The Director of Clinical Experiences, upon the recommendation of the college supervisor or chairperson of the student's major department, may remove a student from the assignment or require a student to do additional work and continue student teaching until the student is sufficiently competent to be recommended for certification. Certification is not an automatic procedure.

Student teaching assignments begin and end on the dates indicated in the student's official notice of assignment. Ordinarily, the student is expected to follow the school calendar of the school in which student teaching is done insofar as vacations and school holidays are concerned. Changes in dates involved in an assignment must receive the prior permission of the Director of Clinical Experiences.

COLLEGE OF FINE ARTS

Dean: Alvin Goldfarb, 116 Center for the Visual Arts.

The primary function of the College of Fine Arts and its Departments of Art, Music, and Theatre is to provide professional training in the arts for students preparing to be elementary, secondary, and college teachers and for students desiring professional careers in select areas of the arts. Various areas of concentration in undergraduate and graduate studies, including B.A., B.S., B.F.A., B.M., B.M.E., M.F.A., and M.M. programs and an Ed.D. programing in Art, provide comprehensive and flexible curricula for a variety of student talents and interests. The College also provides a cultural environment through the performing and visual arts for the campus, community, and region.

ART (ART)

119 Center for the Visual Arts, (309) 438-5621

Chairperson: Ron Mottram.

Tenured/Tenure-track Faculty:

Distinguished Professor: Anderson, Myers.

Professors: S.F. Amster, Boyd, Butler, George. Hobbs, Holder, Kilgo, Malone, Mottram, Myers, Newby, Rennels, Rush, Stefl, Towner.

Associate Professors: S.H. Amster, Appel, Archer, Finch, French, Kukla, Jackson, Knoblock, Suhr, Tannura, Tell, Walker.

Assistant Professors: Blum, Bushell, Dyrek, Iorio, Roland, Satkamp, Simpson.

Other Faculty:

Faculty Fellow: Professor: Gregor.

Instructional Faculty: Jacobs, Richards, Schiltz.

Instructors: Willis-Fisher.

Lecturers: Atterberry, Blinderman, Connelly, Francois, Rolley, McKinney.

Administrative/Professional: Barnett, Kinser.

The Department of Art is accredited in Division I by the National Association of Schools of Art and Design.

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.)

Art Programs

Degrees Offered: B.A., B.S.

MAJOR IN ART

General Art Sequence:

Degrees Offered: B.A., B.S.

The General Art Sequence emphasizes breadth of competence in Art, developing basic knowledge, skills, and understanding in various visual arts disciplines. This Sequence serves the needs of students interested in a traditional liberal arts education or a second major.

- 43 hours in ART required, as follows:
- 16 hours Foundations: ART 103, 104, 106, 109, 155, 156.
- 18 hours Required Sequence courses: ART 257; 6 hours from ART 224, 228, 232, 240, 255; 6 hours from ART 213, 226, 235, 245, 246, 261; any 300-level art history course.
- ART 201, 211, 309 do not count toward the Major.

- 9 hours ART electives at the 200-level or, with consent of the Department, at the 300-level, 6 hours of which must be in the studio arts.

Studio Arts Sequence:

Degrees offered: B.A., B.S.

The Studio Arts Sequence contains required Foundations and other courses common to the studio arts disciplines (ceramics, drawing, fibers, glass, intaglio, lithography, metalwork and jewelry design, painting, photography, and sculpture), but also provides a program of intensive study within one of these areas of the visual arts. This sequence prepares students to work as visual arts professionals or pursue graduate study.

- 55 hours in ART required as follows:
- 16 hours Foundations: ART 103, 104, 106, 109, 155, 156.
- 21 hours Required Sequence courses: ART 257; the initial course in the student's intended area of concentration (see below); 6 hours in 3-dimensional and 6 hours in 2-dimensional art (as specified according to the concentration requirements below); any 300-level art history course. ART 201, 211, 309 do not count toward the Major.

Initial Course in Area of Concentration and 3-D/2-D Requirements by Concentration (listed in that order):

Ceramics Concentration: ART 228; ART 232 and 233; ART 213 and 214.

Drawing Concentration: ART 213; ART 232 and 3 hours from ART 224, 228, 240, 255; ART 245 or 246 and 261.

Fibers Concentration: ART 240; 6 hours from ART 224, 228, 232, 255; 6 hours from ART 213, 226, 261.

Glass Concentration: ART 255; ART 228 and 232; 6 hours from ART 213, 235, 245 or 246, 261.

Intaglio Concentration: ART 245; ART 232 and 3 hours from ART 224, 228, 240, 255; ART 213 and 261.

Lithography Concentration: ART 246; ART 232 and 3 hours from ART 224, 228, 240, 255; ART 213 and 261.

Metalwork and Jewelry Design Concentration: ART 224; ART 228 and 232; 6 hours from ART 213, 226, 261.

Photography Concentration: ART 235; 6 hours from ART 224, 228, 232, 234, 240, 255; 6 hours from ART 213, 226, 245 or 246, 261.

Painting Concentration: ART 261; ART 232 and 3 hours from ART 224, 228, 240, 255; ART 213, and 245 or 246.

Sculpture Concentration: ART 232; 6 hours from ART 224, 228, 234, 240, 255; ART 213 and 261.

- Admission to a Concentration: After the first course in any area of concentration in the Studio Arts Sequence, and after completing the prerequisites for, but before being accepted into the second course in that concentration, the student will undergo screening of supportive materials by the faculty involved with the specific concentration. In addition, in order to continue in the sequence concentration students must have achieved and must maintain a cumulative and major GPA of 2.5.
- 18 hours Concentration courses and ART electives at the 200- or 300-level. Students must take the courses

specified below for each concentration, plus appropriate ART electives at the 200- or 300-levels to total 18 hours. Students should consult the Department advisor for selection of appropriate ART electives.

Ceramics Concentration: ART 229 and 328.

Drawing Concentration: ART 214 and 331.

Fibers Concentration: ART 241 and 340.

Glass Concentration: ART 355.

Intaglio Concentration: ART 345.

Lithography Concentration: ART 346.

Metalwork and Jewelry Design Concentration: ART 225 and 324.

Photography Concentration: ART 236, 335, and 383.

Painting Concentration: ART 262, 263, and 361.

Sculpture Concentration: ART 233 and 332.

300-level concentration courses may be repeated.

Graphic Design Sequence:

Degrees offered: B.A. B.S.

The Graphic Design Sequence includes training in the fundamentals of studio art and art history, but also a concentrated program of study that prepares students to enter the competitive field of graphic design.

- 55 hours in ART required, as follows:
- 16 hours Foundations: ART 103, 104, 106, 109, 155, 156.
- 39 hours Required Sequence courses: ART 213, 226, 227, 231, 235, 257, 326, 336, 359, 386; 3 hours from ART 224, 228, 232, 234, 240, 255; 3 hours from ART 245, 246, 261; any 300-level Art History course.

ART 201, 211, 309 do not count toward the Major.

Admissions Policy: Students will be allowed to continue in the Graphic Design Sequence who have completed ART 226, have met and continue to maintain a cumulative and major 2.5 GPA, and have demonstrated competency through a portfolio review. The number of students admitted may vary depending on program capacity and qualifications of students in the pool. Consult the Department of Art for further information on admission to the Graphic Design Sequence.

Art History Sequence:

Degrees offered: B.A.

The Art History Sequence provides students a basic grounding in the studio traditions, but also a broad awareness of art history on both introductory and advanced levels. In addition, the sequence includes exposure to related non-art disciplines, training in foreign language, and further experience in advanced research skills, all of which are necessary for effective graduate work.

- 55 hours in ART required, as follows:
- 16 hours Foundation: ART 103, 104, 106, 109, 155, 156.
- 33 hours Required Sequence courses: ART 140; 257; 3 hours from ART 224, 228, 232, 240, 255; 3 hours ART 213, 226, 235, 245, 246, 261; ART 395; 18 hours from 300-level art history courses, including at least 1 course from each of the following 4 broad historical periods:
 - I. Ancient/Medieval: ART 366, 367, 368, 369.
 - II. Renaissance/Baroque: ART 375, 376, 377.
 - III. Modern: ART 372, 378, 379, 383, 385.
 - IV. American: ART 380, 381, 382.
- 6 hours ART electives.
- Recommended University Studies and general electives: ENG 249; HIS 101, 102 (US 2); minimum of 3 semesters (12 hrs) French or German; at least 8 hours of courses in related fields offered by the following departments: HIS, MUS, LIT, PHI, ANT, THE.

Admission policy: Students will be allowed to continue in the Art History Sequence who have completed ART 257 and have met and continue to maintain a cumulative and major GPA of 2.5. ART 201, 211, 309 do not count toward the Major.

Teacher Education Sequence:

Degree offered: B.S.

The Teacher Education Sequence is a program that emphasizes art knowledge, studio techniques, and classroom skills needed for teaching art. This program provides for acquisition of knowledge, attitudes and skills necessary for effective performance as an art teacher or art supervisor. Students completing this Sequence are eligible to apply for K-12 teaching certificate in the State of Illinois.

- 76 hours in ART required (including professional education requirements). Part of entitlement program leading to certification: Special K-12. All Art majors planning to become certified teachers must apply for and be admitted to the University Teacher Education Program (see Teacher Education Admission-Retention Program section of this Catalog). A 2.5 cumulative and major GPA is required for admission and retention in this Sequence.
- 54 hours in ART required, as follows:
- 15 hours Foundations: ART 103, 104, 109, 155, 156.
- 33 hours Required Sequence courses: ART 201, 211, 257, 307, 309 (2 consecutive semesters starting in the fall); 6 hours from ART 224, 228, 232, 240, 255; 6 hours from ART 213, 226, 235, 245, 246, 261; 1 Art History course from 100-, 200-, or 300-level (other than 155, 156, 257).
- 6 hours ART electives.
- 22 hours Professional Education requirements: C&I 214, 215, 216; PSY 215; EAF 228 or 231 or 235; STT 399.

MINOR IN ART

General Art Sequence:

- 24 hours in ART required, as follows:
- 10 hours required courses: ART 103, 104, 106, 109.
- 6 hours from ART 155, 156, 257.
- 8 hours of electives in ART.
- ART 201, 211, and ART 309 do not count toward the Minor.

Teacher Education Sequence:

- 27 hours in ART required, as follows:
- 10 hours required courses: ART 103, 104, 106, 109.
- 3 hours from ART 155, 156, 257.
- 3 hours of ART 309.
- 3 hours of ART 201 or 211.
- 8 hours of ART courses from ART 228, 232, 234, 261.
- Endorsements earned: Junior High School Endorsement and High School Endorsement in Art.

Bachelor of Fine Arts (B.F.A.) Art Program

Degree offered: B.F.A.

The B.F.A. Degree Program is oriented toward advanced professional study in the studio arts. This program gives students the opportunity to specialize in a particular studio art discipline in preparation for graduate study for the M.F.A. Terminal Degree Program.

MAJOR IN ART

- 81 hours in ART required as follows:
- 16 hours Foundations: ART 103, 104, 106, 109, 155, 156.

- 26 hours Required courses: ART 232, 235, 257, 261; 6 hours from ART 224, 228, 240, 255; 6 hours from ART 213, 245, 246; ART 349.
- 6 hours: any two 300-level Art History courses.
- 33 additional hours in chosen concentration selected in consultation with the program sponsor. ART 201, 211, 309 do not count toward the Major.

Students may apply to the B.F.A. Degree Program during their sophomore year. Requirements for admission and retention are a 3.0 cumulative and major GPA and a portfolio review. Students seeking admission to the B.F.A. Program must submit a portfolio of creative work to the Department of Art as part of the admission process. Further information on admission to the B.F.A. Program is available from the Department's undergraduate academic advisor. A solo exhibition of student work during the senior year with a written supportive statement is required of all students for graduation from the B.F.A. Program. The equivalent of no less than 6 semester hours of directed study will be spent in preparation for the final exhibition.

HONORS IN ART

Art majors and B.F.A. candidates with superior academic records are invited to apply for admission to the Department of Art Honors Program. Students successfully completing the Honors Program will receive the designation of Honors in Art in their field of study upon graduation. The student's official academic transcript and diploma will be so noted.

Admission Requirements: the candidate must:

- Be a declared Art major or admitted to the B.F.A. Program with at least 60 and not more than 90 hours of course work completed.
- Have a minimum 3.3 overall GPA;
- Have a minimum 3.5 overall Art Department GPA;
- Submit a letter of recommendation from a faculty member in the student's sequence (General Art, Studio Arts, Graphic Design, Art History, Teacher Education);
- Have demonstrated evidence of leadership by participating in student organizations or entering exhibitions or receiving recognition for written work;
- Submit a letter of application to the Art Department Honors advisor.

Art Department Honors Program Requirements: Students admitted into the Art Department Honors Program will be required to:

- Successfully complete a minimum of 3 hours of Art Department honors courses each semester for a total of 12 honors hours prior to graduation (2 in-course honors classes; two 299 classes);
- Initiate and complete a research project or honors portfolio under the direction of a faculty member in the student's sequence;
- Maintain a 3.3 overall GPA;
- Maintain a 3.5 Art Department GPA;
- Receive no grade less than "B" in any Art class while enrolled in the program;
- Fulfill the general requirements for participation in the University Honors Program.

NOTE: Once admitted to the Art Department Honors Program, the honors candidate will be advised by the Art Department honors advisor, who must approve the candidate's course of studies each semester.

Art Courses

The Department of Art reserves the right to keep for demonstration and exhibition examples of work done by students for course requirements.

100 INTRODUCTORY ART WORKSHOP 3 US-6 F,S

Not for cr ART maj/min. Materials charge optional.

Creative problem-solving and aesthetic analysis. Art experiences including drawing, painting, printmaking, and sculpturing as well as attending art exhibits.

101 ART ACTIVITIES FOR ELEMENTARY SCHOOLS 2 F,S

Not for cr ART maj/min. Materials charge optional.

Introduction to 2-dimensional graphic and craft materials and procedures appropriate for elementary art learning experiences; understanding the developmental stages of child art.

103 VISUAL ELEMENTS 3 F,S

Materials charge optional.

An exploration of the basic elements of design as they relate to composition and expression in graphic form.

104 BASIC DRAWING 3 F,S

Materials charge optional.

Concepts basic to all studio offerings. Emphasis upon making pictorial space and upon development of drawing skills; practice with traditional materials.

106 ART FOUNDATIONS 1 F

Introduces art majors to the diverse opportunities possible in art careers; outlines the requirements and expectations in each instructional area within the Art Department.

109 BASIC MATERIALS 3 F,S

Materials charge optional.

Use of a variety of materials to explore fundamental 3-dimensional design concepts. Introduction to the use of hand tools and power tools.

120 ORIENTAL ART 3 US-8

Introduction to major movements in the arts of India, China, and Japan, emphasizing painting, sculpture, ceramics, and prints.

140 INTRODUCTION TO THE NATIVE ARTS OF THE AMERICAS, AFRICA, AND THE SOUTH PACIFIC 3 S

An introduction to the native art and architecture of North and South America, Sub-Saharan Africa, and Oceania.

150 ART APPRECIATION 3 US-6 F,S

Not for cr ART maj/min.

Survey of Western and non-Western art, introduction to art media, gallery visits, and studio demonstrations.

155 SURVEY OF ART I 3 US-6 F,S

Arts from pre-historic times to end of Medieval period, circa 1400.

156 SURVEY OF ART II 3 US-6 F,S

Arts of the early Renaissance, circa 1400, to the end of the Baroque, circa 1775.

183 PUPPETRY 3 F,S

Also offered as THE 183.

Introduction to the performance art of puppetry and its educational applications: history, staging, and construction and manipulation of hand, rod, and shadow puppets.

**201 MEDIA AND TECHNIQUES
FOR ELEMENTARY AND
JUNIOR HIGH SCHOOLS**

3 F

ART Ed maj only; others by cons dept chair. Incl Clin Exp. Materials charge optional.

Media, techniques, and clinical experiences suitable for elementary and junior high schools.

**205 ART FOR THE CLASSROOM
TEACHER**

2 F,S

El Ed maj only. Jr standing. Overall GPA 2.5. Conc reg MUS 277 and THE 280; conc reg ART/MUS/THE 250 rec. Materials charge optional.

Theoretical, practical and experiential learning for developing awareness, knowledge and skills for future classroom teachers-grades K-9.

207 ART FOR SPECIAL EDUCATION

3 F,S

For SED students. Incl Clin Exp. Materials charge optional.

Theory and methods of teaching art and craft activities appropriate to the needs of special education classes.

**211 MEDIA AND TECHNIQUES
FOR SECONDARY SCHOOLS**

3 F,S

ART Ed maj only; others by cons dept chair. Incl Clin Exp. Materials charge optional.

Media and techniques suitable for secondary school level with emphasis on the sequential development of media and techniques in relation to the maturity and growth of the adolescent.

213 LIFE DRAWING

3 F,S

ART 103, 104 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.

Emphasis on anatomy and formal concerns. Human figure as an expressive motif within the tradition of the nude in art.

214 DRAWING COMPOSITION

3 F,S

ART 213 req or cons dept based on demonstration of proficiency. Materials charge optional.

Further study of the human figure with emphasis upon representational complexity and a more sophisticated understanding of formal considerations.

221 FESTIVAL DESIGN I

2 F

May be repeated once for cr. Cons inst req.

Insights and application of aesthetic qualities, organizational principles, and procedures inherent in designing a festival.

**224 METALWORK AND JEWELRY
DESIGN I**

3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional. Formerly JEWELRY I.

Introduction to the tools, techniques, and fabricating process used for creating in metals.

**225 METALWORK AND JEWELRY
DESIGN II**

3 F,S

ART 224 req. Materials charge optional. Formerly JEWELRY II.

Further exploration of fabrication and casting techniques; emphasis on surface treatment such as repousse, etching, lamination, and inlay.

226 GRAPHIC DESIGN I

3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional. Formerly VISUAL COMMUNICATIONS I.

Basic graphic design techniques. Includes study of letter forms and design procedures. Practice in rendering skills.

227 GRAPHIC DESIGN II

3 F,S

ART 226 req. Materials charge optional. Formerly VISUAL COMMUNICATIONS II.

Application of design techniques to visual communications media. Emphasis on combining lettering with illustrational elements in preparation for reproduction processes.

228 CERAMICS I

3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.

Introduction to the physical characteristics of clay. Basic handbuilding and firing processes explored. Introduction to glaze processes.

229 CERAMICS II

3 F,S

ART 228 req. Materials charge optional.

An expansion of handbuilding methods and the introduction of wheel-throwing techniques. Glazing and firing methods emphasized.

231 TYPOGRAPHY DESIGN

3 F,S

ART 226 req. Materials charge optional.

Study of typography as an element of 2-dimensional design and as a communicative tool.

232 SCULPTURE I

3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional.

Exploration of sculpture techniques and materials within context of historical developments. Introduction to 3-dimensional spatial concerns.

233 SCULPTURE II

3 F,S

ART 232 req. Materials charge optional.

Further exploration of sculpture techniques and materials. Advanced 3-dimensional spatial concerns presented within a context of art historical development.

234 WOOD DESIGN I

3 F,S

ART 109 req.

Studio course exploring wood as a design medium.

235 PHOTOGRAPHY I

3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional. Formerly PHOTOGRAPHY AS AN ART FORM I.

Photography as an art form.

236 PHOTOGRAPHY II

3 F,S

ART 235 or cons inst req. Materials charge optional. Formerly PHOTOGRAPHY AS AN ART FORM II.

Further study of photography as an art form. Individual exploration of techniques and subjects.

240 FIBERS I

3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional. Formerly WEAVING I.

Introduction to weaving as an art form. Emphasis on technical and aesthetic development of fiber concepts using a variety of loom-controlled and non-loom-controlled structures.

241 FIBERS II

3 F,S

ART 240 req. Materials charge optional. Formerly WEAVING II.

Builds on the foundation of technical and aesthetic concepts presented in Weaving I. Processes such as spinning, dyeing, and complex loom-controlled structures will be explored.

245 INTAGLIO I 3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional. Introduction to intaglio processes. Techniques such as etching, engraving, dry point, and aquatint within context of pictorial spatial understanding.

246 LITHOGRAPHY I 3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional. Introduction to lithographic processes. Techniques on stone and aluminum plates with airbrush, crayon, and tusche drawing within context of pictorial spatial understanding.

248 REPROGRAPHICS 3 F,S

ART 226. Materials charge optional. Process photography as an art form.

250 ARTS AND THE MODERN WORLD 3 US-6 F,S

Also offered as MUS 250 and THE 250. An introductory, interdisciplinary course examining great works of art, music and theatre as they define and transmit cultural traditions and humanistic values in the modern world.

251 EXPERIMENTAL FILMMAKING 3 F,S

ART 103 or equiv req. Materials charge optional. Filmmaking as an art form. Studio production using primarily 8 millimeter film. Experimental art films surveyed.

255 GLASS I 3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Materials charge optional. An introductory course to acquaint student with the hot glass forming processes of glassblowing and casting.

257 SURVEY OF ART III 3 US-6 F,S

The major developments in European painting, sculpture, and architecture from the Romantic period, circa 1775, to the present.

259 AESTHETIC EXPERIENCE 1 F,S

May be repeated; max 3 hrs. Also offered as MUS 259 and THE 259. Available on a CR/NC basis for attendance at 15 fine arts events and submission of 3 papers. One class meeting per week is used to introduce future events and to analyze past events.

261 PAINTING I 3 F,S

ART 103, 104, 106 and 109 req or cons dept based on demonstration of proficiency. Experimental work with variety of transparent and opaque painting media.

262 PAINTING II 3 F,S

ART 261 req. Problems of pictorialization and survey of contemporary trends in painting.

263 PAINTING III 3 F,S

ART 262 req. Individual exploration of concepts extended from ART 261 and 262.

277 AFRICAN-AMERICAN ART: PRE-SLAVERY TO 1865 3 F

Art forms, content, artistic technique, and contributions of pre-slavery artists up to African-American artists of 1865.

278 AFRICAN-AMERICAN ART: 1865 TO PRESENT 3 S

Formerly BLACK AMERICAN ART: 1865 TO PRESENT. Artistic technique, lifestyles, political and social implications of black American artists from 1865 to present.

307 ART FOR ATYPICAL INDIVIDUALS 3 S

Art maj or cons dept. May Incl Clin Exp. Various approaches to the development and conduct of art activities for individuals in special education and other community programs for the atypical individual.

309 PROFESSIONAL ART EDUCATION SEQUENCE 3 F,S

C or better in C&I 216 or PSY or conc reg req. Complete all req for admission to Teacher Ed including passing all 3 parts of the PPST. Art Ed maj only; others by cons dept chair. Must be repeated by Art Ed maj for total of 6 hrs. 2 consecutive sem seq starting in fall. Incl Clin Exp. Sequential semesters interrelate art learning theory, teaching methodology, and pre-student teaching clinical experiences in Art Education K-12.

324 METALWORK AND JEWELRY DESIGN III 2-6 F,S

ART 225 req. May be repeated. Materials charge optional. Formerly JEWELRY III. Advanced metalworking with an emphasis on volume and color, including raising, repousse, forging, and various enameling techniques.

325 ADVANCED METALWORK AND JEWELRY DESIGN 2-4 F,S

ART 324 and cons inst req. May be repeated. Materials charge optional. Formerly ADVANCED JEWELRY AND METALS. Elaboration upon metalworking skills previously acquired, allowing development of a strong personal direction.

326 GRAPHIC DESIGN III 3 F,S

ART 226, 227 req. Materials charge optional. Formerly VISUAL COMMUNICATIONS III. Transition course using the skills, techniques, and concepts learned earlier; applying them to problems of contemporary expression. Preparation for study on independent basis.

328 CERAMICS III 2-6 F,S

ART 229 req. May be repeated. Materials charge optional. Experiences in wheel and handbuilding processes with an emphasis on individual exploration of ideas through ceramic media.

331 ADVANCED DRAWING 3 F,S

ART 214 req. May be repeated. Transition course using the skills, techniques, and concepts learned earlier; applying them to problems of contemporary expression. Preparation for study on independent basis.

332 SCULPTURE III 2-6 F,S

ART 233 req. May be repeated. Materials charge optional. Transition course. Individualized problems exploring techniques and concepts encountered earlier and their applications to problems of contemporary expression. Preparation for study on an independent basis.

334 TOPICS IN ADVANCED SCULPTURE 3 F

Sculpture I, II, III, or cons inst. Advanced sculpture course focusing on a different topic each semester. Seminar format with topics relating to assigned studio work.

- 335 PHOTOGRAPHY III** 2-6 F,S
ART 236 req. May be repeated. Materials charge optional. Formerly PHOTOGRAPHY AS AN ART FORM III.
 Advanced problems in photography as an art form. Emphasis upon individual exploration of the medium. Preparation for study on an independent basis.
- 336 GRAPHIC DESIGN IV** 3 F,S
ART 326 req. Materials charge optional. Formerly VISUAL COMMUNICATIONS IV.
 Advanced studio work exploring design techniques applied to advertising, packaging, and display media.
- 341 PRINTED TEXTILES** 2-3 F,S
ART 103, 240 and cons inst req. May be repeated. Materials charge optional.
 Studio exploration of the aesthetic concepts and technical skills for designing and executing printed textile designs; emphasis on silk screen.
- 345 INTAGLIO II** 2-6 F,S
ART 245 req. May be repeated. Materials charge optional.
 Further study of intaglio processes with greater emphasis on intaglio as an expressive medium. Introduction to color possibilities.
- 346 LITHOGRAPHY II** 2-6 F,S
ART 246 req. May be repeated. Materials charge optional.
 Further study of lithographic processes with greater emphasis on lithography as an expressive medium. Introduction to color possibilities.
- 349 VISITING ARTIST SEMINAR** 2 F,S
ART maj or cons inst. May be repeated.
 A seminar-type class, taught by visiting artists and members of the Art Department faculty, focusing upon contemporary issues of fine arts and the creative process.
- 351 SPECIAL PROJECTS IN ART** 2-6 F,S
ART maj and cons inst. May be repeated. Materials charge optional.
 Special projects in Art or Art Education chosen by the student for advanced investigation with the written approval of the instructor. May not duplicate existing courses.
- 352 RENDERING FOR INTERIOR DESIGNERS** 3 F,S
IT 211 and HEC 242, or ART 103 and 104, or cons inst req.
 Perspective sketching and delineations of architectural interiors. Various media and application techniques will be stressed for professional results in presentations.
- 355 GLASS II** 2-6 F,S
ART 255 req. May be repeated. Materials charge optional.
 Further practice in glass blowing skills coupled with the introduction of techniques to alter and shape cold glass.
- 356 COLOR PHOTOGRAPHY** 3
ART 236 or 335 and cons inst req. Formerly COLOR PHOTOGRAPHY AS AN ART FORM.
 An introduction to basic color photography techniques with an emphasis on color photography as a fine art medium.
- 359 COMPUTER-BASED ART AND GRAPHIC DESIGN** 3 F,S
ART/MUS/THE 386 or cons inst req. Also offered as THE 359. Materials charge optional.
 Application of advanced 2- and 3-dimensional graphics programs to solve creative problems in the visual and theatrical arts.
- 361 PAINTING IV** 2-6 F,S
ART 263 req. May be repeated.
 Transitional course. Students encouraged to explore personal directions in close consultation with instructor. Preparation for study on an independent basis.
- 362 WATERCOLOR I** 3 S
ART 261 req.
 Watercolor as an expressive medium. Techniques and study of masters of watercolor; emphasis on creating pictorial space by illusion, color, and the use of transparency.
- 363 COLOR THEORY** 3 F
ART 261 req.
 A practicum to give the studio art student a context of theoretical and historical color premises as a basis for making color organized works. Discussion of student work, process, color-formed space, and aesthetic analysis.
- 366 ART OF THE ANCIENT NEAR EAST** 3
 Art and architecture of early civilizations of Egypt, Mesopotamia, and peripheral areas from circa 8000 B.C. to circa 300 B.C.
- 367 GREEK ART** 3 F
ART 155 or cons inst req.
 Greek art and architecture from circa. 1500 B.C. through the Hellenistic period.
- 368 ROMAN ART AND ARCHITECTURE** 3 S
ART 155 or cons inst req.
 Roman art and architecture in Italy and the provinces from the late Republic through the early 4th century A.D.
- 369 HISTORY OF MEDIEVAL ART AND ARCHITECTURE** 3
 Art and architecture of Europe from circa 500 A.D. to the Renaissance.
- 372 MODERN ARCHITECTURE** 3
 Late 19th and 20th-century architecture. Sullivan, Wright, and the Chicago School. European movements involving Le Corbusier, Gropius, and Mies Van der Rohe. The great engineers, Maillart, Nervi, Fuller, Candela.
- 375 ITALIAN RENAISSANCE ART** 3
 Painting, sculpture, and architecture of the 15th and 16th centuries in Italy.
- 376 NORTHERN RENAISSANCE ART** 3
 Art and architecture of the Renaissance and Mannerism in Northern Europe.
- 377 HISTORY OF BAROQUE AND ROCOCO ART** 3
 Painting, sculpture, and architecture of Europe during the 17th century.
- 378 HISTORY OF NINETEENTH-CENTURY ART AND ARCHITECTURE** 3
 Concentration is on the art of Europe from the French Revolution to the 20th century.
- 379 MODERN ART** 3
 Painting and sculpture in Europe and America from the late 19th century to 1970.
- 380 ART IN THE UNITED STATES I: COLONIAL TO NINETEENTH-CENTURY ROMANTICISM** 3
 American art from the Colonial period through 19th-century Romanticism.

381 ART IN THE UNITED STATES II: AMERICAN IMPRESSIONISM TO WORLD WAR II 3

American art from late 19th-century Impressionism to the advent of World War II.

382 ART IN THE UNITED STATES III: FROM THE DEPRESSION TO 1970 3

Complex artistic developments, especially in painting and sculpture, which occurred in American art from the Depression era to 1970.

383 HISTORY OF PHOTOGRAPHY 3

Formerly HISTORY OF PHOTOGRAPHY AS AN ART FORM.

Important photographers and the major aesthetic and technical developments of photography from 1840 to present.

385 RECENT DEVELOPMENTS IN ART: 1970 TO THE PRESENT 3 S

ART maj only or cons of inst. Previous successful completion of ART 257.

An examination of major international visual artists and the role of public and private institutions within the contemporary arts world.

386 INTRODUCTION TO MICROCOMPUTER APPLICATIONS IN THE ARTS 3 F,S

Also offered as MUS/THE 386. Jr standing; 9 hrs of ART, MUS, or THE; and cons inst req. Materials charge optional.

An introduction to microcomputer systems and their applications as creative tools in art, music, theatre.

387 SOFTWARE DESIGN IN THE ARTS 3

ART/MUS/THE 386 or cons inst req. Also offered as MUS/THE 387. Materials charge optional.

Designing and programming microcomputer-based software which solve particular applications problems in the fine arts.

388 SELECTED TOPICS IN ARTS TECHNOLOGY 3

ART/MUS/THE 386 or cons inst req. Also offered as MUS/THE 388. May be repeated if content different. Materials charge optional.

Varied emphases reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts.

395 UNDERGRADUATE SEMINAR IN ART HISTORY ' 3 S

Successful completion of at least one 300-level art history course and cons inst req. May be repeated if content differs.

Intensive study of an announced topic in art history, emphasizing methodology, original research, and various art historical approaches to specified works, artists, themes, styles, or issues.

398 PROFESSIONAL PRACTICE: INTERNSHIP IN ART 1-8 F,S

May be repeated; max 16 hrs. Cons dept chair req.

Supervised work experience.

398.02 PROFESSIONAL PRACTICE: INTERNSHIP IN ART: DESIGN

398.05 PROFESSIONAL PRACTICE: INTERNSHIP IN TEACHING ART

398.07 PROFESSIONAL PRACTICE: INTERNSHIP IN PHOTOGRAPHY

398.08 PROFESSIONAL PRACTICE: INTERNSHIP IN MUSEUM/GALLERY

398.09 PROFESSIONAL PRACTICE: COOPERATIVE EDUCATION/ INTERNSHIP IN ARTS MICRO- COMPUTER APPLICATIONS 2-6 F,S

ART/MUS/THE 386; 1 course selected from MUS 211, ART/THE 359, or ART/MUS/THE 387. Jr standing or above in area of concentration; 2.5 GPA. Also offered as MUS/THE 398.09.

Cooperative education/internship providing the opportunity to apply knowledge of microcomputer arts applications in arts agencies, business, and/or education settings.

MUSIC (MUS)

230 Centennial East, (309) 438-7631

Chairperson: Arved Larsen.

Tenured/Tenure-track Faculty:

Professors: Armstrong, Boitos, Chavez, Corra, Dawson, Larsen, Lewis, Livingston, Modos, Nicholas, Peterson, Poultney, Rehm, Schoenfeld, Schuetz, Suggs, Williams.
Associate Professors: Block, Borg, DeBose, M Dicker, DiGiammarino, Kelly, Schwartzkopf, Steele, Stokes.
Assistant Professors: Anderson, Gilreath, Koehler, Pomfret, Randles, Sheldon.

Instructor: Gentry.

Other Faculty:

Faculty Fellow: Professor: Cordero.

Instructional Faculty: Assistant Professor: Rubio.

Lecturers: Collier, J Dicker, Farris, Iwasaki, Jirak, Neisler, Wellman.

General Information Concerning Music Programs and Courses

Curricular Requirements/Departmental Policies: Music students are bound by the requirements in this Catalog and those found in the Music Department Student Handbook.

Admission Auditions: Students who intend to major in Music at Illinois State University are expected to have previous music experiences. Prior to acceptance as a Music major, all students must pass a performance audition on their major instrument or voice. Information concerning admission auditions is available from the Department of Music.

Senior College Examination: All Music majors must pass the Senior College Examination which evaluates the student's mastery of musicianship and performance skills. The examination is administered every semester and is to be taken by all Music majors taking sophomore-level music core courses (204/208). Students who transfer from community colleges with an associate's degree must take the examination in their first semester of attendance at Illinois State University. All B.M.E. students and candidates for teacher certification are required to pass the Senior College Examination prior to admission to Teacher Education.

Piano Requirements: All students pursuing a Music major degree program are required to demonstrate a level of piano proficiency equivalent to that outlined for Level III of Group Instruction Piano unless stated otherwise for a specific degree or sequence. A syllabus of proficiency requirements is available in the Music Office or from the Group Piano Coordinator.

Performing Organization Requirements: All students pursuing a Music major degree program are required to participate and earn a passing grade in a major music-performing organization each semester they are enrolled in the University. (B.M.E. majors are exempt from this requirement during the semester of Student Teaching; Music Therapy majors are exempt from this requirement during the semester of their internship.) Specific performing organization participation requirements are indicated below for each of the Music major degree programs. A major opera role may be substituted for one performing organization by juniors and seniors upon approval of the Department chairperson as a result of a written request signed by the student, the applied teacher, and the opera director. A maximum of 12 hours in Music performing organization credit is applicable to any Music degree.

Enrollment Limitations: Enrollment in some Music courses is limited to those students who have had auditions or who have secured the permission of the appropriate coordinator. Information concerning these course enrollment limitations is available from the Department of Music.

Musical Instrument Storage: In the event that students choose to store musical instruments on campus in any building operated by the University, they hereby waive any and all liability of the University and its employees for the loss of or damage to such musical instruments by any cause whatsoever, including, but not limited to, fire, water, windstorm, or any other casualty, theft, or dampness or dryness of the air.

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) Music Programs

Degrees Offered: B.A., B.S.

MAJOR IN MUSIC

- 40 hours in Music required.
- Required courses: MUS 101, 102, 107, 108, 203, 204, 207, 208, 253, 254; at least 4 semesters of applied Music (may include Group Instruction Voice or Piano); 8 semesters in major music-performing organizations or other approved ensembles; elective courses in MUS to complete 40 hours.

MINOR IN MUSIC

- 24 hours in Music required.
- Required courses: MUS 101, 102, 107, 108, 203, 207; at least 4 semesters of applied music (may include Group Instruction Voice or Piano); at least 4 semesters in major music-performing organizations or other approved ensembles; elective courses in MUS to complete 24 hours.

Bachelor of Music Education (B.M.E.) Programs

Degree Offered: B.M.E.

MAJOR IN MUSIC EDUCATION

Core Requirement and Sequences: All students must complete the core requirement of MUS 101, 102, 107, 108, 203, 204, 207, 208, 253, 254, and choose a sequence from one of the 4 sequences below. Depending upon the sequence chosen, the Major will require from 57 to 60 hours. The 4

sequences are part of the entitlement program leading to special K-12 teaching music certification in the State of Illinois.

Designated special methods courses throughout the Band, Orchestra, Vocal, and Keyboard Sequences require clinical experiences and are taken throughout the degree program.

Piano and Applied Music Requirements: Students pursuing the B.M.E. degree are required to attain sufficient skill in playing the piano to pass a proficiency test prior to admission to the B.M.E. Program. A syllabus of proficiency requirements is available in the Department office or from the Group Piano Coordinator. Piano may be studied in Group Instruction 122 or in Applied Piano. A maximum of 8 hours is allowed for taking piano in Group Instruction. Students pursuing the B.M.E. degree are required to study applied music on their major instrument every semester that they are enrolled in the program, except for the semester in which they student teach. Students are required to take at least 1 semester of 200-level applied music prior to student teaching. The B.M.E. degree requires the successful completion of at least 1 semester of a 200-level applied music course.

Professional Education Requirements: PSY 215; C&I 214, 215, 216; and EAF 228, 231 or 235 must be taken prior to the major music methods courses (MUS 161, 261, 262, 264).

C&I 216 requires admission to Teacher Education.

Choral-General-Vocal Sequence: 57 hours in Music required. Required courses: Core requirement and a minimum of 2 semesters of Group or Applied Piano and 5 semesters of Applied Voice; MUS 127, 167, 262, 264, (262 and 264 require clinical experiences). Students must be enrolled for 1 hour of credit in University Choir, University Glee Club, Treble Choir, Concert Choir, Encore (Jazz Choir), Opera Practicum, or Madrigal Singers each semester they are in residence, except for the semester in which they student teach. Students must enroll in University Choir or Concert Choir for a minimum of 4 semesters and Opera Practicum for 1 semester. Students enrolled in Encore must also participate in another choral ensemble listed above.

Choral-General-Keyboard Sequence: 59 hours in Music required. Required courses: Core requirement and a minimum of 2 semesters of Applied Voice and 5 semesters of Group or Applied Piano; MUS 167, 240 (2 hrs), 262, 264, (262 and 264 require Clinical Experiences), 330 (Piano). Students must be enrolled for 1 hour of credit in University Choir, University Glee Club, Treble Choir, Concert Choir, Encore (Jazz Choir), Opera Practicum, or Madrigal Singers each semester they are in residence, except for the semester in which they student teach. Students must enroll in University Choir or Concert Choir for a minimum of 4 semesters and Opera Practicum for one semester. Students enrolled in Encore must also participate in another choral ensemble listed above.

Instrumental-Band Sequence: 60 hours in Music required. Required courses: Core requirement and MUS 111, 113, 115, 117, 161, 167, 260, 261, (111, 113, 115, 117, 161, 260 and 261 require clinical experiences). Students must be enrolled for 1 hour of credit in Wind Symphony, Symphonic Band, Jazz Band, Marching Band, or Symphony Orchestra each semester they are in residence, except for the semester in which they student teach. Within this requirement, students must take not less than 2 semesters of Marching Band, nor less than 2 semesters of a concert band (Wind Symphony or Symphonic Band).

Instrumental-Orchestra Sequence: 60 hours required. Required courses: Core requirement and MUS 111, 113, 115, 117, 167, 260, 261, (111, 113, 115, 117, 260, and 261 require clinical experiences), 330 (strings). Students must be enrolled for 1 hour of credit in Symphony Orchestra each semester they are in residence, except for the semester in which they student teach.

Student Teaching: At least 10 weeks (8 hrs) (STT 399.28) of student teaching ares required. 16 weeks (16 hrs) (STT 399.28) are recommended.

SELECTIVE ADMISSION-RETENTION POLICY FOR THE TEACHER EDUCATION SEQUENCE IN MUSIC EDUCATION

Selective Admission: All Music Education students planning to become certified teachers must apply for and be admitted to the University's Teacher Education Program (see Teacher Education Admission-Retention Program section of this Catalog). Upon applying for admission, a Music Education student must have verified the following:

1. File departmental application for admission to Music Education.
2. A minimum cumulative GPA of 2.5 overall and in all Music courses including all Professional Education courses.
3. Satisfactory completion of piano proficiency exam or completion of Level 4-Group Piano with grade of "B" or better (the entire final exam for Level 4 must be passed successfully).
4. Recommendation for admission to Teacher Education by the Music Education faculty.
5. Satisfactory passing of the Senior College Exam.
6. Upon enrollment within the Music Education Program, the student will be evaluated every semester in writing by each respective music faculty member. This information will be maintained in the student's permanent file. Each student will also be evaluated by the respective faculty in the College of Education. Details about these evaluations can be obtained from the Coordinator of Music Education. The evaluations will be solicited up to the semester of student teaching.

Selective Retention: In order to be retained in the Music Education Program and to receive departmental approval for a student teaching assignment, the following requirements must be met:

1. Maintain a GPA of 2.5 in all courses and in all Music Education courses including Professional Education.
2. Be recommended for student teaching by the Music Education faculty.
3. Interview with the Coordinator of Student Teaching and/or Music Education faculty.
4. Complete at least 1 semester of Applied Music at the 200-level.
5. Acquire a minimum grade of "C" in all Music Education courses including Professional Education courses.
6. File College of Education and departmental applications for student teaching.

Graduation Requirements: A cumulative and major GPA of 2.5 must be maintained.

MINOR IN MUSIC EDUCATION

- 26 or 27 hours in Music required, depending upon sequence selected (student selects 1 of the 4 sequences that follow).

Choral Music Sequence: 26 hours in Music required. Required courses: MUS 101, 102, 107, 108, 167, 203, 207, 264; at least 4 hours of Applied Music-Voice (may include Group Instruction-Voice); at least 2 semesters of Applied Music-Keyboards (may include Group Instruction Piano).

General Music Sequence: 26 hours required. Required courses: MUS 101, 102, 107, 108, 167, 203, 207, 262; at least 4 hours of Applied Music-Keyboards (may include Group Instruction Piano); at least 2 semesters of Applied Music-Voice (may include Group Instruction Voice).

Instrumental Music-Winds Sequence: 27 hours required. Required courses: MUS 101, 102, 107, 108, 111, 115, 117, 167, 203, 207, 260, 261; at least 2 semesters of Applied Music-Brass, Percussion, or Woodwinds.

Instrumental Music-Strings Sequence: 27 hours required. Required courses: MUS 101, 102, 107, 108, 111, 113, 115, 117, 167, 203, 207, 330 (appropriate string pedagogy and literature course); at least 2 semesters of Applied Music-Strings.

Bachelor of Music (B.M.) Program

Degree Offered: B.M.

Admission into the B.M. Program is by special audition.

MAJOR IN MUSIC

- 68 hours of Music required.
- Required courses for all sequences except Music Therapy (for requirements, see Music Therapy Sequence): MUS 101, 102, 107, 108, 167, 203, 204, 207, 208, 253, 254, and 2 courses selected from among MUS 255, 256, 257, and 258; 1 Applied Music course on the major instrument each semester (may include Group Instruction Piano), including the successful completion of at least one semester of 200-level Applied Music. In addition, students must be enrolled for 1 hour of credit each semester they are in residence in Wind Symphony, Symphonic Band, Marching Band, Jazz Band, Symphony Orchestra, University Choir, University Glee Club, Treble Choir, Civic Chorale, Concert Choir, Encore (Jazz Choir), Madrigal Singers, Accompanying (for keyboard majors only) or Guitar Ensemble (for guitar majors only).

Student also selects 1 of the 7 following sequences and completes requirements of that sequence. For students who select the Keyboard-Instrument, Voice-Performance, Classical Guitar Performance, or the Band and Orchestra Instruments sequence, the requirements are: 3 semesters of 200-level applied music, a partial junior recital, and a senior recital.

Music Theory-Composition Sequence: 12 additional hours in theory, composition, and theory pedagogy; electives to complete 68 hrs. At least 8 hours of German strongly recommended.

Music History-Literature Sequence: 12 additional hours in music history and problems in music history; electives to complete 68 hours. At least 8 hours of German, French, Latin, or Russian are strongly recommended.

Keyboard Instrument Sequence: Performance/Pedagogy (Piano, Organ, Harpsichord): 4 hours of keyboard pedagogy and literature (MUS 330); 2 hours of functional keyboard skills and sight-reading (MUS 122); 4 hours of

accompanying (MUS 240). This may be 4 of the 8 hours in music performing organizations required of B.M. majors. Electives to complete 68 hours.

Voice Performance Sequence: Music 127 and 2 hours in vocal pedagogy and literature (MUS 330); electives to complete 68 hours. Voice students enrolled in Encore must also participate in another choral ensemble. Two semesters of Opera Practicum and/or Opera Production are also required.

Band and Orchestra Instruments Performance Sequence: 2 hours in pedagogy and literature on appropriate instrument (MUS 330); electives to complete 68 hours.

Classical Guitar Performance Sequence: 4 hours of pedagogy and literature (MUS 330); 2 hours of guitar fingerboard harmony (MUS 215); 6 hours of guitar ensemble (MUS 139.85/239.85); 4 hours of Music performing organizations other than guitar ensemble; electives to complete 68 hours.

Music Therapy Sequence: A student who completes the requirements listed below, including a 6-month internship sanctioned by the National Association for Music Therapy, Inc., may be certified as a Registered Music Therapist. The prospective Music Therapy student is encouraged to contact the Director of the Music Therapy Program in the Music Department before beginning coursework. Core requirements (33 hrs): MUS 101, 102, 107, 108, 167, 203, 204, 207, 208, 253, 254, Major Music-Performance Ensemble each semester of attendance. 9 hours selected from the following: 111, 113, 115, 117, 122, 126. 8 hours of Applied Music Study. Sequence requirements: MUS 194, 298.01 (3 hrs), 294, 340, 341, 360, 362, 398 (2 hrs); PSY 346. University Studies requirements: BSC 181; PSY 111, 232; SOC 106 or ANT 180. A competency test is required in guitar and piano.

Music Courses

100 INTRODUCTION TO MUSIC THEORY 3 US-6 F,S

Pitch and rhythmic notation, major-minor key system, sight reading of simple pitch and rhythmic patterns, diatonic melodies.

101 MUSIC THEORY 2 F

MUS maj/min only or cons dept chair req.

Principles of rhythmic, melodic, and harmonic syntax in the common practice period. Emphasis on diatonic analysis and composition.

102 MUSIC THEORY 2 S

MUS 101 or cons Theory Coord req.

Continuation of common practice syntax; emphasis on formal analysis and composition of common practice idioms.

107 GROUP INSTRUCTION IN BASIC MUSICIANSHIP I 1 F,S

MUS maj/min only or cons inst req.

Introduction and cultivation of fundamental aural (ear-training) and sight-singing (solfege) skills.

108 GROUP INSTRUCTION IN BASIC MUSICIANSHIP II 1 F,S

MUS 107 or cons Theory Coord req.

Continuation of skill building in ear-training and sight-singing; expansion of solfege techniques.

111 GROUP INSTRUCTION IN BRASS 2 F,S

Incl Clin Exp.

Practical instruction in playing and methods of teaching all brass instruments.

113 GROUP INSTRUCTION IN STRINGS 2 F,S

Incl Clin Exp.

Practical instruction in playing and methods of teaching the violin, viola, cello, and string bass.

115 GROUP INSTRUCTION IN WOODWINDS 2 F,S

Incl Clin Exp.

Practical instruction in playing and methods of teaching all woodwind instruments.

117 GROUP INSTRUCTION IN PERCUSSION 1 F,S

Incl Clin Exp.

Practical instruction in playing and methods of teaching percussion instruments.

118 BEGINNING GUITAR 2

Student must supply acoustic guitar. Formerly SOCIAL-CLASSICAL GUITAR.

Elements of basic acoustic guitar; simple chords and melodies.

119 INTERMEDIATE GUITAR 2 S

MUS 118 or cons of inst. Student must supply acoustic guitar.

Further development of guitar playing skills, including note reading in higher positions, movable chords, fingerpicking, and an introduction to improvisation.

121 GROUP INSTRUCTION IN PIANO 2 F,S

For students who have had little or no formal piano study and who are not MUS maj/min. Enrollment and placement only by cons Group Piano Coord. May be repeated.

Harmonization, sight-reading and transposition, technical studies, and solo and ensemble repertoire.

122 GROUP INSTRUCTION IN PIANO 2 F,S

MUS maj/min with little or no keyboard skills. Enrollment and placement by cons Group Piano Coord. A syllabus of piano proficiency requirements is available from the Music Office and the Group Piano Coord. May be repeated; max 8 hrs.

126 GROUP INSTRUCTION IN VOICE 2 F,S

May be repeated. Cons inst req.

Practical instruction in singing in English and Italian. Successful completion of 126 or audition before members of voice faculty is prerequisite for admission to MUS 137.

127 FOREIGN LANGUAGE DICTION FOR SINGERS 2 S

MUS 126 or conc reg in MUS 126, 137, or 237.

German and French diction through the study of art songs in both languages.

131-138 APPLIED MUSIC 2 or 3 ea F,S

May be repeated. Cons appropriate coord 1 sem in advance of reg req. Prereq for MUS 137 described in narrative for MUS 126.

131, Brass; 132, Harpsichord; 132.10 Harp; 133, Organ; 134, Percussion; 135, Piano; 136, Strings; 136.80, Guitar; 137, Voice; 138, Woodwinds.

139 ENSEMBLE 1-2 F,S

May be repeated.

Study and performance of chamber music in a variety of combinations of instruments.

151 PLEASURES OF MUSIC 3 US-6 F,S
Music representative of various periods and styles.

153 BLACK MUSIC I 3 US-6 F
A survey of those musical elements—rhythm, improvisation, vocal inflections, call and response—that define Black Folk Music.

154 BLACK MUSIC II 3 S
A survey of Black composers, arrangers, performers, and educators in the areas of Jazz, Blues, Gospel, Spirituals, Rhythm and Blues, and Western Classical music in the 20th century.

156 MUSIC IN WORLD CULTURES 3 US-8 F,S
Music as it relates to other human activity in selected non-Western cultures.

160 MUSIC AS A CONSTRUCT FOR LEARNING 1 F
Music reading skills or cons inst. Incl Clin Exp.

Tools of learning, supporting resources, writing and study styles, observation techniques, relationship of music to other disciplines, task analysis, problem-solving.

161 MARCHING BAND TECHNIQUES 2 F
Conc reg with participation in Marching Band. Adm to Teacher Ed req. Incl Clin Exp.

Marching Band organization: field show planning and design.

162 INTRODUCTION TO WIND AND PERCUSSION INSTRUCTION 1 F,S
MUS maj standing or cons inst req. Incl Clin Exp.

Introduction to techniques in teaching wind and percussion students. Designed for choral-general music education and music therapy students.

165 OPERA PRACTICUM 1 S
May be repeated.

Practical experience in the staging of an opera or musical, with work ranging from set construction to leading roles.

167 BASIC CONDUCTING 2 F,S
Fundamentals, score reading, rehearsal procedures, and practical experience in work with choral and instrumental media.

172 JAZZ APPRECIATION 3 F
Various idioms and styles of Jazz from 1890 to the present, with an emphasis on listening.

180-188 PERFORMING ORGANIZATIONS 1 F,S
Max 12 hrs of 180-188 and 280-288 may be counted toward a Music degree.

Participation in the large music organizations; 180, University Choir; 181, Wind Symphony, Symphonic, University, Pep or Marching Band; 182, Symphony Orchestra; 183, Chamber Wind Ensemble; 184, Concert Choir; 185, University Glee Club; 186, Treble Choir; 188, Civic Chorale.

194 PRINCIPLES OF MUSIC THERAPY 3 F,S
Not for cr if had former MUS 190, 191, and 192. Field observations req.

Introduction to music as a therapeutic agent in the rehabilitation and reorganization of the human being into social life. A survey of the history of the National Association for Music Therapy is included as well as the processes and principles of music therapy as used by practicing music therapists.

203 MUSIC THEORY AND LITERATURE 5 F
MUS 102 and 108 or cons Theory Coord req. (Not for cr if had MUS 203 for 6 hrs.)

Study of contrapuntal and homophonic textures through analysis and composition in conjunction with a survey of music composed between 1700 and 1900.

204 MUSIC THEORY AND LITERATURE 5 S
MUS 203 and 207 or cons Theory Coord req. (Not for cr if had MUS 204 for 6 hrs.)

20th century techniques of composition and analysis in conjunction with a survey of current world musics.

205 COMPOSITION 2 F,S
May be repeated.

Developing individual creative talents of students in musical composition. Progression from the composing of well-balanced musical phrases to works in small forms for piano, choral groups, and small instrumental ensembles.

207 GROUP INSTRUCTION IN BASIC MUSICIANSHIP III 1 F,S
MUS 108 or cons Theory Coord req. (Not for cr if had MUS 203 for 6 hrs.)

Continuation of MUS 108 with introduction of chromaticism, more complex rhythms, and harmonic dictation using 7th chords.

208 GROUP INSTRUCTION IN BASIC MUSICIANSHIP IV 1 F,S
MUS 207 or cons Theory Coord req. (Not for cr if had MUS 204 for 6 hrs.)

Continuation of MUS 207 with emphasis on pitch structures and rhythms of 20th century music.

209 ORCHESTRATION 2 F
Scoring for orchestras and bands, focusing on tonal balance, color, timbre, and technical problems.

211 MICROCOMPUTERS AND MUSIC SYNTHESIS 3 F,S
MUS 121 or 122 or cons inst req. Materials charge optional.

Programming techniques for digital synthesizers, drum machines, microcomputer-based sequencers, and voicing software; elementary composition in a MIDI-based studio.

215 GUITAR FINGERBOARD HARMONY 2
3 sem of Applied Guitar (MUS 136.80/236.80) or cons inst.

A comprehensive exploration of the guitar fingerboard through the study of scales, arpeggios, intervals, chords, and sight reading.

218 JAZZ IMPROVISATION I 2 S
Cons inst req.

Fundamentals of improvising or extemporaneous playing; opportunity to perform improvised solos, both on standard chord changes and original compositions.

231-238 APPLIED MUSIC 2 or 3 ea F,S
May be repeated. Cons of appropriate coord 1 sem in advance of reg req.

231, advanced brass; 232, advanced harpsichord, 234, advanced percussion; 235, advanced piano; 236, advanced strings; 236.80 advanced guitar; 237, advanced voice; 238, advanced woodwinds.

239 ENSEMBLE 1-2 F,S*May be repeated.*

Study and performance of chamber music in a variety of combinations of instruments.

240 ACCOMPANYING 1 F,S*May be repeated.*

Technique and skills of accompanying singers and instrumentalists, including experience in providing accompaniments for other students.

250 ARTS AND THE MODERN WORLD 3 US-6 F,S*Also offered as ART/THE 250.*

An introductory, interdisciplinary course examining great works of art, music, and theatre as they define and transmit cultural traditions and humanistic values in the modern Western world.

253 MUSIC HISTORY UNTIL 1750 3 F*MUS 204 or cons Theory Coord req.*

Developments, trends, styles, genres, and significant composers in Western music history from the Greeks to the time of Bach and Handel.

254 MUSIC HISTORY SINCE 1750 3 S*MUS 204 or cons Theory Coord req.*

Developments, trends, styles, genres, and significant composers from the Classical period through the 20th century.

255 MUSIC HISTORY AND LITERATURE OF THE TWENTIETH CENTURY 3 F*MUS 254 or cons inst req.*

Survey of 20th century styles, popular to learned, conventional to avant-garde, with emphasis on the literature of music.

256 MUSIC HISTORY AND LITERATURE OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES 3 S*MUS 253 or cons inst req.*

Development of music during the 17th and 18th centuries including nationalities, schools, styles, and forms.

257 MUSIC HISTORY AND LITERATURE OF THE NINETEENTH CENTURY 3 F*MUS 254 or cons inst req.*

Musical developments in the 19th century; romanticism, impressionism, the orchestra, opera, art song, other large and small forms.

258 MUSIC HISTORY AND LITERATURE OF THE RENAISSANCE 3 S*MUS 253 or cons inst req.*

Artistic and social conditions of the 15th and 16th centuries in Europe, sacred and secular vocal music, instruments, forms, theoretical practices.

259 AESTHETIC EXPERIENCE 1 F,S*May be repeated; max 3 hrs. Also offered as ART/THE 259.*

Available on a CR/NC basis for attendance at 15 fine arts events. One class meeting per week is used to introduce future events and to analyze past events.

260 DESIGNS IN INSTRUCTION:**INSTRUMENTAL 2 S***C or better in C&I 216 req. Incl Clin Exp. Adm to Teacher Ed req.*

Elementary/beginning instrumental music education. learning methodologies, learning processes, psychomotor development, child growth, reading, vocalization, symbolic representation of abstract ideas.

261 METHODS OF TEACHING:**INSTRUMENTAL 2 F***C or better in C&I 216 req. Incl Clin Exp. Adm to Teacher Ed req. Formerly INSTRUMENTAL TECHNIQUES.*

Problems and procedures in developing instrumental classes and organizations.

262 MUSIC EDUCATION 4 F*C or better in C&I 216 or conc reg req. Incl Clin Exp. Cons dept chair for non-MUS maj. Adm to Teacher Ed req.*

Survey of music in the kindergarten and grades 1-8; current practices in teaching music; materials used for singing, listening, rhythmic activities, creating, and playing; planning of music suitable for the activities program.

264 MUSIC EDUCATION 4 S*C or better in C&I 216 or conc reg req. Incl Clin Exp. Cons dept chair for non-MUS maj. Adm. to Teacher Ed req.*

Problems and procedures in developing vocal classes and choral organizations for grades 7-12.

265 OPERA PRACTICUM 1 S*May be repeated.*

Practical experience in the staging of an opera or musical, with work ranging from set construction to leading roles.

268 INTERMEDIATE CONDUCTING:**CHORAL 2 S***MUS 167 or cons inst req.*

Further development of conducting skills; principles of musical production, rehearsal procedures, and problems of conducting music from all historical periods.

269 INTERMEDIATE CONDUCTING:**INSTRUMENTAL 2 S***MUS 167 or cons inst req.*

Further development of conducting skills; principles of musical production, rehearsal procedures, and problems of conducting music from all historical periods.

277 MUSIC EDUCATION IN THE**ELEMENTARY GRADES 2 F,S***Conc reg ART 205, THE 280 req. Conc reg ART/MUS/THE 250 rec. El Ed maj only.*

Survey of Music Education K-8; current practices and materials for teaching elementary general music.

280-288 PERFORMING**ORGANIZATIONS 1 F,S***Max 12 hrs of 180-188 and 280-288 may be counted toward a Music degree.*

Participation in the large musical organizations: 280, University Choir; 281, Wind Symphony, Symphonic, University, Pep or Marching Band; 282, Symphony Orchestra; 283, Chamber Wind Ensemble; 284, Concert Choir; 285, University Glee Club; 286, Treble Choir; 288, Civic Chorale.

294 MUSIC AND RECREATION 3 F,S
MUS 194 or cons inst, ability to read music, and field experiences req.

Techniques and skills essential in the prescription, organization, and procedures of leading recreational music activities within therapeutic settings. Development of functional skills on social instruments.

**298.01 PROFESSIONAL PRACTICE:
 MUSIC THERAPY INTERNSHIP** 1 F,S
May be repeated; max 4 hrs. CR/NC only. Formerly MUS 292.

Supervised practical experience in therapeutic music situations in various institutions in the area.

**301 FORM AND ANALYSIS
 IN MUSIC** 3 F

Structure of music from simple binary and ternary forms to rondo, theme and variations, and sonata forms.

305 COMPOSITION 3 F,S
May be repeated.

Free composition in larger forms.

307 SURVEY OF MUSIC THEORY 2 F
 Review of analytical techniques and procedures. Emphasis on tonal music.

309 ADVANCED ORCHESTRATION 3 S
MUS 209 or cons inst req.

330 PEDAGOGY AND LITERATURE 2 F,S
May be repeated. More than one area may be taken conc.

Methods of teaching, class and individual instruction; emphasis on technique and a comparison of various teaching procedures. Survey of important literature and composers for each medium. Brass, woodwind, percussion, voice, strings, piano, organ, guitar.

**340 INFLUENCE OF MUSIC ON
 BEHAVIOR** 3 F,S
Sr standing or cons inst req.

Cultural, physiological, and psychological aspects of music with applications to the Music Therapy field.

341 MUSIC IN THERAPY 3 F,S
MUS 340 or cons inst req.

Theory, current practices, and research in the field of Music Therapy.

**360 INTRODUCTION TO
 PSYCHOMUSICOLOGY** 3 S

Introduction to the psychology of music behavior and cognition. Topics include music perception, memory, and learning and their relation to the sensory, formal, and expressive properties of music.

**362 FIELD DATA COLLECTION IN
 MUSIC THERAPY** 1 F,S

Sr standing or MUS 360 or cons inst req.

Field experience in experimental research and behavioral data collection and evaluation as applied to the field of Music Therapy.

363 CHORAL TECHNIQUES 3
Course in conducting or practical experience req.

Choral rehearsal techniques as used in contemporary music education and other choral performance. Materials for learning and repertoire development, emphasizing modern trends.

**364 CURRENT ISSUES IN MUSIC
 EDUCATION** 1-3 F

May be repeated; max 5 hrs.

Current trends in all areas of Music Education. Course is open to both majors and non-majors.

365 OPERA PRACTICUM 1 S
May be repeated.

Practical experience in the staging of an opera or musical, with work ranging from set construction to leading roles.

**371 MUSIC FOR THE
 EXCEPTIONAL CHILD** 3 F,S

Trends in Music Education for exceptional children. Techniques and materials for a functional program of singing, playing, listening, and creative activities.

384 OPERA PRODUCTION 3 F
Approval Music Theatre Director req. May be repeated.

Problems of presenting specific representative works from Music Theatre repertoire.

**386 INTRODUCTION TO
 MICROCOMPUTER
 APPLICATIONS IN THE ARTS** 3 F,S

Also offered as ART/THE 386. Jr standing; 9 hrs of ART, MUS, or THE; and cons inst req. Materials charge optional.

An introduction to microcomputer systems and their applications as creative tools in Art, Music, and Theatre.

387 SOFTWARE DESIGN IN THE ARTS 3 F
ART/MUS/THE 386 or cons inst req. Also offered as ART 387 and THE 387. Materials charge optional.

Designing and programming microcomputer-based software which solve particular applications problems in the fine arts.

**388 SELECTED TOPICS IN ARTS
 TECHNOLOGY** 3 S

ART/MUS/THE 386 or cons inst req. Also offered as ART/THE 388. May be repeated if content different. Materials charge optional.

Varied emphases reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts.

**391 MUSICAL STYLES OF THE
 RENAISSANCE PERIOD** 3
MUS 253 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

**392 MUSICAL STYLES OF THE
 BAROQUE PERIOD** 3
MUS 253 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

**394 MUSICAL STYLES OF THE
 CLASSICAL PERIOD** 3
MUS 254 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

**395 MUSICAL STYLES OF THE
 ROMANTIC PERIOD** 3
MUS 254 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

396 MUSICAL STYLES OF THE TWENTIETH CENTURY 3

MUS 254 req.

Analytical inquiry into the compositional techniques evidenced in selected, representative works by major composers of the period.

398 PROFESSIONAL PRACTICE: CLINICAL INTERNSHIP IN MUSIC THERAPY 1 F,S,Summer

Acceptance into a clinical training facility affiliated with the National Association for Music Therapy req. May be repeated; max 2 hrs.

Professional application of current treatment and evaluation procedures in a clinical setting.

THEATRE (THE)

212 Centennial West, (309) 438-8783

Chairperson: Dan Carter.

Tenured/Tenure-track Faculty:

Professors: Carter, Goldfarb, Kirk, Ritch, Ruyle, Vybiral, Wilhelm.

Associate Professors: MacLean, Sipes, Stark, Zielinski.

Assistant Professors: Benjamin, Browder, de Veer, McLennan, O'Gara, Pereira, Reinholz.

Other Faculty:

Instructional Faculty: Assistant Professors: Brinker, Catzarite, Klarup, Zeck.

Administrative/Professional: Guither.

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) Theatre Programs

Degrees Offered: B.A., B.S.

MAJOR IN THEATRE

- 48 hours in Theatre required.
- Required courses: THE 100, 101, 2 hours of 102/302, 110, 130, 160, 170, 237, 240, 261, 344, 376, and 377.
- Students in the 48-hour Major are required to complete one of the following concentrations:
 - Cinema Studies: THE 271, 370, 371
 - Creative Drama: THE 280 and 6 hours of THE 381.
 - Directing: 6 hours of THE 340 and 3 hours of THE 309.
 - Microcomputer Applications in Theatre: 9 hours from MUS 211, ART/MUS 387, THE 359, 386, 388, 398.09.
 - Theatre History: THE 370 and 6 hours from THE 287, 300; ENG 222, 223, 325, 327, 328, 378.
 - Theatre Management: THE 345 and 6 hours of THE 309.

Acting Sequence:

- 55 hours in Theatre required.
- Required courses: THE 100, 102 or 302, 110, 111/311, 112/312, 113/313, 130, 160, 237, 240, 317, 320, 321, 376, 377, and 9 hours of 314 and/or 315.
- 2 hours of Theatre electives.
- Continuation in the Acting Sequence after the freshman year is by consent of the Department Acting faculty.

Design/Production Sequence:

- 55 hours in Theatre required.
- Required courses: THE 100, 110, 130, 160, 237, 240,

260, 261, 362, 376, 377; 6 hours to be selected from THE 330, 331, 333, 361, 363.

— Theatre electives to complete 55 hours.

Teacher Education Sequence:

- 42 hours in Theatre required. Part of entitlement program leading to certification: secondary 6-12.
- Required courses: THE 100, 101, 110, 113/313, 130, 160, 185 (2 hrs), 237, 240, 280, 285 (2 hrs), 376, 385 and one course selected from THE 260, 340 or 341.
- Students are required to enroll in THE 185/285 for a minimum of 1/2 credit hour their first semester and to complete a total of 4 credit hours of prescribed field activities in Theatre Education as a part of their program. The Department recommends that students who plan to teach in high school take COM 125, 160, and 223. Second teaching field required.
- To qualify for certification, students must complete an education minor, the Professional Education Requirements, and the General Education Requirements as described in the *Teacher Education Requirements-High School* section of this Catalog.

Theatre majors are encouraged to participate in at least 1 University Theatre production each semester. Credit in THE 102 or 302 may be earned for this participation. Students are encouraged to earn practicum credit in at least 4 different areas of theatre experience, such as costume, technical, management, acting, lighting, makeup. All students may audition for productions after they have achieved second semester freshman status.

MINOR IN THEATRE

- 24 hours in Theatre required.
- Required courses: 100, 101, 110, 130, 160, and 240; 4 hours from 376 and 377; Theatre electives to complete 24 hours.

Teacher Education Sequence:

- 24 hours in Theatre required.
- Required courses: THE 100, 101, 110, 160, 240, 260, 385, and Theatre electives to complete 24 hours.

The Department recommends that students who plan to teach in high school take COM 125, 160, and 223.

MINOR IN CINEMA STUDIES

- 18 hours of Cinema Studies required.
- Required courses: THE 170, 370, 371.
- 9 additional hours from: THE 270, 271; ENG 107; ART 251.

Theatre Courses

100 INTRODUCTION TO THE LITERATURE OF THE THEATRE 3 F,S

Survey of literature of theatre from the Greeks to the present. Emphasis is on the study of structure, genres, and history of the period in which the play was produced.

101 ORAL INTERPRETATION OF LITERATURE 3 F,S

The individual performance of non-dramatic literature as a means of improving performance skills and as an approach to the study of literature.

102 THEATRE PRACTICUM 1-2 F,S

May be repeated.

Production experience in the areas of acting, costume and scenery preparation, production crew, box office, and stage management.

110 BASIC ACTING 3 F,S

Maj/min only. Cons inst req. May be repeated; max 6 hrs.
Basic skills and concepts of acting. Exploration of the actor's internal (psychological-emotional) resources through exercises, discussions, and performance projects.

111 VOCAL TECHNIQUE FOR THE ACTOR I 3 F

THE 110 or equiv and cons inst req. Designed for beginning THE students. Not for cr if had THE 311.

Introductory studies and exercises in relaxation, breathing, alignment, tonal focus, and articulation leading to an understanding of vocal life and the vocal demands placed upon the actor.

112 IMPROVISATION 3 F

THE 110 or equiv, and cons inst req. Not for cr if had THE 312.
Detailed exploration of improvisational skills as a tool for rehearsal and performance.

113 SCRIPTED MATERIAL 3 S

THE 110 or equiv, and cons inst req. Not for cr if had THE 313.

Analysis, rehearsal, and performance of representative scripts.

130 INTRODUCTION TO COSTUME 3 F,S

Lab arranged.
Study and practical application of costume construction techniques and the study of basic costume design practice.

150 INTRODUCTION TO THE THEATRE 3 US-6 F,S

Not for cr maj/min.
Special attention to the productions being given during the semester.

151 HISTORY OF THE THEATRE IN WESTERN CULTURE 3 US-2 F,S

Not for cr maj/min.

Introductory survey of the history of the Western theatre from its origins to the present, with particular emphasis on the influences of previous theatrical periods on the theatre of our time.

153 INTRODUCTION TO ACTING 3 F,S

Not for cr maj/min.
Introduction to process and nature of acting; variety of theatre experiences to encourage an understanding and appreciation of actor's craft.

154 INTRODUCTION TO BLACK DRAMA AND THEATRE 3 F

Exploration of the plays of the African-American dramatist from the Harlem Renaissance to the Black Arts Movement through lecture, discussion, and workshop techniques.

160 STAGECRAFT 3 F,S

Lab and/or conc reg; THE 102 or 302 req.
Theory and technique of basic construction and rigging procedures.

170 INTRODUCTION TO FILM ART 3 US-6 F,S

Artistic and social values of the cinema as a contemporary art form. Screening and discussion of selected films.

171 HISTORY OF THE AMERICAN FILM 3 S

The art and thought of 20th-century American life as interpreted through the film.

183 PUPPETRY 3

Also offered as ART 183.
Introduction to the performance art of puppetry and its educational applications: history, staging, construction, and manipulation of hand, rod, and shadow puppets.

185 CONTINUING ORIENTATION TO THEATRE EDUCATION I 1/2 F,S

Enrollment limited to THE Ed maj who must enroll for 1/2 hr per sem for 8 sem in THE 185 and 285 for a total of 4 hrs. Conc reg may be arranged; exceptions (especially for transfer students) to the sem req by cons dept chair. Structured as a self-instructional program with a series of required experiences and sequential developmental evaluations which are to be completed prior to student teaching. Students will be required to attend formal class meetings during their initial semester to review procedures for observation and participation in individualized field experiences in THE Ed. Succeeding semesters of enrollment are on a self-instructional basis with individual conferences scheduled for advisement and assessment.

Principles of administering a secondary-school theatre program as a learning facilitator, co-curricular director, and theatre professional.

237 STAGE MAKE-UP 2 F,S

THE 100 req. Materials charge optional.
Introduction to make-up technique through lecture-demonstration and laboratory practice. Development of ability in corrective and prosthetic make-up for characterization.

240 PRINCIPLES OF STAGE DIRECTION 3 F,S

THE 100, 110 and 160 req.
Acquaints the student with the basic principles of stage direction and provides a basic vocabulary and methodology.

250 ARTS AND THE MODERN WORLD 3 US-6 F,S

Also offered as ART/MUS 250.
An introductory, interdisciplinary course examining great works of Art, Music, and Theatre as they define and transmit cultural traditions and humanistic values in the modern Western world.

259 AESTHETIC EXPERIENCE 1 F,S

Also offered as ART/MUS 259. May be repeated. Max 3 hrs.
Available on a CR/NC basis for attendance at 15 fine arts events. One class meeting per week is used to introduce future events and analyze past events.

260 TECHNICAL PROCEDURES 3 F,S

THE 160 req. May be repeated. Max 6 hrs.

Procedures and problems of technical production.

261 LIGHTING FOR STAGE AND TELEVISION 3 S

THE 160, 260 or cons inst req.
Instrumentation, aesthetics, application of theatrical and television lighting through classroom/laboratory study.

270 THE DOCUMENTARY IN FILM AND BROADCASTING 3 S

Also offered as COM 270.
Historical, philosophical, and theoretical consideration of documentary approach in films, television, and radio.

271 SURVEY OF NON-WESTERN FILM 3 US-8 S

Cross-cultural study of the historical and aesthetic development of non-Western national cinemas through selected African, Indian, Japanese, and Chinese films.

- 280 CREATIVE DRAMA** 2-3 F,S
El Ed maj should reg for 2 hrs and conc reg ART 205, MUS 277 rec. Conc reg ART/MUS/THE 250 rec. THE Ed maj/min and all others should reg for 3-hr section. Observations and practical activities req.

Drama in instructional situations for preschoolers through adults, including theory and activities for personal creative growth and teaching both the arts and non-arts subjects.

- 285 CONTINUING ORIENTATION TO THEATRE EDUCATION II** 1/2 F,S
Incl Clin Exp.

Continuation of THE 185: principles of administering a secondary school theatre program as a learning facilitator, co-curricular director, and theatre professional.

- 300 TOPICS IN THE LITERATURE OF THE MODERN THEATRE** 3 F,S
THE 100 req. May be repeated.

Examination of 20th-century theatrical literature, which may include dramatic literature, criticism, analysis systems, and/or theory. Course content will vary.

- 302 THEATRE PRACTICUM** 1-3 F,S
May be repeated.

Production experience in the areas of acting, costume and scenery preparation, production crew, box office, and stage management.

- 303 THEATRE ENCOUNTER** 1-3 F,S
May be repeated; max 6 hrs. Cons inst req. MFA students may reg for cr in each term of residency.

Student-initiated projects in acting, directing, design, and playwriting presented and critiqued. Emphasis is on process rather than final product.

- 309 DIRECTED PROJECTS** 1-3 F,S
Cons inst req. May be repeated.

Individually supervised study for the advanced student.

- 311 VOCAL TECHNIQUE FOR THE ACTOR I** 3 F
THE 110 or equiv, and cons inst req. Designed for jr/sr with prior vocal exper in acting. Not for cr if had THE 111.

Introductory studies and exercises in relaxation, breathing, alignment, tonal focus, and articulation, leading to an understanding of vocal life and the vocal demands placed upon the actor.

- 312 IMPROVISATION** 3 F
THE 110 or equiv, and cons inst req. Not for cr if had THE 112.

Detailed exploration of improvisational skills as a tool for rehearsal and performance.

- 313 SCRIPTED MATERIAL** 3 S
THE 110 or equiv, and cons inst req. Not for cr if had THE 113.

Analysis, rehearsal, and performance of representative scripts.

- 314 ACTING STYLE: DISCOVERY AND PERFORMANCE** 3 F,S
THE 110 or equiv, and cons inst req. May be repeated.

Analysis, rehearsal, and performance technique examined through the work of a particular playwright.

- 315 ACTING: EXPLORING CHARACTERIZATIONS THROUGH ANIMAL EXERCISES** 3 F,S
THE 110 or equiv, and cons inst req. May be repeated.

Techniques of actor research and characterization using animal models. Exploration of primitive behavior patterns requiring the actor's total physical and psychological commitment.

- 316 ACTING FOR THE MUSICAL THEATRE** 3 S
Cons inst req.

Acting problems inherent in performing for various forms of musical theatre. Work to include preparation of musical numbers and scenes.

- 317 VOCAL TECHNIQUE FOR THE ACTOR II** 3 S
THE 111 or 311 or equiv, and cons inst req.

Advanced studies in vocal discipline for actors, including exercises in breath control, relaxation, alignment, tonal focus, and articulation.

- 318 VOCAL TECHNIQUE FOR THE ACTOR III** 3 F,S
THE 317 and cons inst req. May be repeated; max 9 hrs.

Further development of the actor's vocal discipline and resources focusing on specialized textual study, character acting, and vocal improvisation.

- 320 STAGE MOVEMENT I** 3 F
Cons inst req.

Fundamental principles of stage movement, physical improvisation, traditional stage deportment, performing in period costumes.

- 321 STAGE MOVEMENT II** 3 S
THE 320 and cons inst req.

Advanced movement techniques including a study of period dances, stage violence, and mime.

- 322 AUDITIONING** 3 S
THE 314 and cons inst req.

Preparation, performance, and evaluation of numerous audition projects; discussion of the actor's search for employment in the professional theatre.

- 323 DIAGNOSTIC STUDIO FOR ACTORS** 3 F
THE 322 and cons inst req.

Performance work specifically and individually devised to treat the diagnosed needs of each student's development as an actor.

- 324 STAGE MOVEMENT III** 3 F,S
THE 320, 321 and cons inst req. May be repeated; max 9 hrs.

Continuation of movement training, varying from semester to semester in special areas including mime, stage combat, mask, and circus techniques.

- 330 THEATRICAL COSTUME DESIGN** 3 S
THE 130 req. May be repeated; max 6 hrs toward master's degree. MFA student may reg for cr in each term of residency.

Research and practical application to theatrical costume designing; use of dramatic analysis.

- 331 HISTORY AND STYLES OF STAGE COSTUMING** 3 F
THE 130 req.

The costume's reflection of cultural and social milieu and the costume's application to the stage.

- 332 COSTUME CONSTRUCTION** 3 S
THE 130 and cons inst req. Lab arranged.

Pattern drafting, draping, fitting, and specialized construction techniques for the theatrical costume craftsman.

- 333 COSTUME CRAFTS** 3
THE 130 req. Materials charge optional.

Theory and technique of costume construction and use of special materials.

- 340 DIRECTING WORKSHOP** 3 F,S
THE 240 req. May be repeated; max 6 hrs toward degree program.

Principles and methodologies of stage direction applied to particular problems in a workshop format.

- 341 ORAL INTERPRETATION OF LITERATURE II** 3 S
THE 101 req.

Group forms of Interpretation—Readers Theatre and Chamber Theatre, with experiences to provide the student with practical applications of theory and principle.

- 344 PRINCIPLES OF THEATRE MANAGEMENT** 3 S
Lab arranged.

Introduction and demonstration of the practices and procedures of theatre management in today's theatre.

- 345 ADVANCED THEATRE MANAGEMENT** 3 F
THE 344 or cons inst req.

Intensive work in business management techniques for arts organizations, including management practices, union contracts, payrolls, budgeting and income controls.

- 348 PLAYWRITING** 3
Also offered as ENG 348.

Playwriting techniques of selected masters with practical application of techniques in writing original plays.

- 359 COMPUTER-BASED ART AND GRAPHIC DESIGN** 3 F,S
ART/MUS/THE 386 or cons inst req. Also offered as ART 359. Materials charge optional.

Application of advanced 2- and 3-dimensional graphics programs to solve creative problems in the visual and theatrical arts.

- 361 ADVANCED STAGE LIGHTING** 3 F
THE 261 req.

Lighting design for proscenium and non-proscenium production; attention to system design.

- 362 STAGE DESIGN** 3 F
THE 160 and 260 req.

Nature, function, and aesthetics of scene design, with practice in composition.

- 363 ADVANCED DESIGN** 3 S
THE 362 req. May be repeated; max 6 hrs toward master's degree. MFA student may enroll for cr in each term of residency.

Intensive work in the areas of design and rendering for the stage; emphasis upon new materials and techniques.

- 364 ADVANCED PROJECTS IN DESIGN** 2-4 F,S
May be repeated.

Design and production problems as they relate to productions being mounted by the Department of Theatre. Emphasis placed upon creative and collaborative aspects of producing theatre.

- 365 SCENE PAINTING** 3 S
Materials charge optional.

Development of the skills necessary for the organization, preparation, and execution of painted scenery for the stage.

- 367 SCENOGRAPHIC TECHNIQUES** 3 S
IT 210 or equiv req.

Descriptive geometry and drafting techniques that are necessary in developing 3-dimensional stage space and scenic units into plans, elevations, and working drawings.

- 370 HISTORY OF THE CINEMA** 3 F,S
Lab: screening of significant films.

Historical and aesthetic development of the cinema.

- 371 FILM THEORY AND CRITICISM** 3 F
Offered in Fall of odd-numbered years.

Theories relating to the art of filmmaking.

- 376 THEATRE HISTORY I** 4 F
THE 100 req.

History of drama and theatrical production from its origin to approximately 1775.

- 377 THEATRE HISTORY II** 4 S
THE 100 and 376 req.

History of drama and theatrical production from the late 18th century to the present.

- 378 SHAKESPEARE ON STAGE** 3 Summer
May be repeated once. Also offered as ENG 378.

Intensive study of Shakespeare's plays in production. For the student with adequate familiarity with Shakespeare and his works.

- 381 CREATIVE DRAMA PRACTICUM** 2-3 F,S
THE 280 and cons inst req. Incl Clin Exp. May be repeated; max 6 hrs.

Gain practical experience in creative drama teaching by leading a class in drama under faculty supervision for a semester.

- 385 PRINCIPLES OF THEATRE EDUCATION** 5 F
THE 285, C or better in C&I 216, or conc reg req. Incl Clin Exp. Adm to Teacher Ed req.

Philosophies of theatre education, teaching strategies, co-curricular programs, textbook analyses, professional organizations, and related field experience.

- 386 INTRODUCTION TO MICROCOMPUTER APPLICATIONS IN THE ARTS** 3 F,S
Also offered as ART/MUS 386. Jr standing; 9 hrs of ART, MUS, or THE; and cons inst req. Materials charge optional.

An introduction to microcomputer systems and their applications as creative tools in Art, Music, and Theatre.

- 388 SELECTED TOPICS IN ARTS TECHNOLOGY** 3 F
ART/MUS/THE 386 or cons inst req. Also offered as ART/MUS 388. May be repeated if content different. Materials charge optional.

Varied emphasis reflecting integration of computers with digital sound/graphic technologies and authoring tools for applications in the arts.

- 398 PROFESSIONAL PRACTICE IN THEATRE** 1-6 F,S

Supervised theatre work experiences in local, state, national, and international businesses, agencies, institutions, and organizations which are planned, administered, and supervised by the Theatre Department.

UNIVERSITY FACULTY AND ADMINISTRATIVE STAFF

The following is a list of faculty and administrative staff members as of the first semester of the 1994-95 academic year. The listing reflects Academic Ranks, Titles, Assignments and Departments of Employment effective during 1994-95. Only the highest academic degree is indicated for each faculty member.

Adil Abdalla
Assistant Professor, Economics
Ph.D., University of Iowa

Abraham Danladi Abdullah
Assistant Professor, History
Ph.D., University of Toronto

Patricia P. Abell
Assistant to Director, Admissions and Records
M.S., University of Evansville

erry Wayne Abner
Program Coordinator, Continuing Education and Public Service
B.S., Illinois State University

Charles Ikechukwu Acha
Coordinator, Academic Services
M.B.A., Illinois State University

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M.A., University of New Mexico

lea Tryvette Adams
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Ph.D., Vanderbilt University

Melissa J. Adams
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B.S. in Ed., Illinois State University

Paul Stuart Adams
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Ph.D., University of Michigan-Ann Arbor

Steven L. Adams
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B.S., Illinois Wesleyan University

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B.S., Millikin University

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Assistant Professor, Milner Library
M.S., University of North Texas

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Ph.D., Utah State University

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Ph.D., University of Minnesota-Twin Cities

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Professor, Specialized Educational Development
Ph.D., University of California-Riverside

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Ph.D., Vanderbilt University

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D.M.A., University of Arizona

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Ph.D., Harvard University

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Ph.D., Australian National University

Roger Clark Anderson
Professor, Biological Sciences
Ph.D., University of Wisconsin-Madison

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Ph.D., University of Illinois-Urbana

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Ph.D., University of Virginia

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B.S., Illinois State University

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M.S., Illinois State University

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M.S., Central Washington University

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Joseph Everett Armstrong
Professor, Biological Sciences
Ph.D., Miami University

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M.S., Illinois State University

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M.A.T., Northwestern University

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Ed.D., Northern Illinois University

Stephen Dean Arnold
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Ph.D., Colorado State University

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Associate Professor, Milner Library
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Ed.D., Syracuse University

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Ph.D., University of Illinois-Urbana

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B.A., Western Illinois University

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Ph.D., Princeton University

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Coordinator, Community Research
Ph.D., Lancaster University (Great Britain)

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M.S., State University of New York-Albany

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Head Mens Wrestling Coach
B.S. in Engineering, Arizona State University

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Ph.D., University of New Hampshire

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Ph.D., University of Chicago

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Ph.D., Duke University

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Ph.D., University of Illinois-Chicago

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- John Francis Binning**
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- Nanette Rummel Birky**
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- Maureen Estelle Blair**
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- Marilyn Frechin Blank**
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M.S. in Ed., Illinois State University
- Barry Robert Blinderman**
Director, University Galleries
M.A., University of Pennsylvania
- Glenn Block**
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Ph.D., University of California-San Diego
- Pamela P. Blum**
Associate Professor, Art
M.F.A., Massachusetts College of Art
- Barbara Lichty Blunk**
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M.S., Illinois State University
- John K. Boaz**
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Ph.D., Wayne State University
- Ross Bogue**
Coordinator, Micro-Computer Laboratories
Ph.D., Purdue University
- Kathryn Sue Bohn**
Staff Physician
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- Willard Bohn**
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- James Alan Botos**
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- Leanna K. Bordner**
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M.S.P.E., Indiana University-Bloomington
- Paul William Borg**
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M.A., Illinois State University
- Mary Ann Boyd**
Faculty Associate, University High School
M.A., Illinois State University
- Judith Boyer**
Associate Vice President, Student Affairs
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- James Leonard Bradford**
Director, Media Services
Ph.D., Ohio State University
- Robert Charles Bradley**
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Ph.D., University of Kentucky
- Daniel Rory Brady**
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Ph.D., Carleton University
- Irene T. Brosnahan**
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Ph.D., Georgetown University
- Leger N. Brosnahan**
Professor, English
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- Ryan Keith Brown**
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- Chad Edmund Buckley**
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Assistant Professor, Milner Library
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- Ronald Leon Budig**
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- Roger K. Bunting**
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Ph.D., Pennsylvania State University
- John Warren Burgess**
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- Richard Reese Byas**
Assistant Mens Football Coach
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- Jerome Richard Cain**
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- Thomas E. Caldwell**
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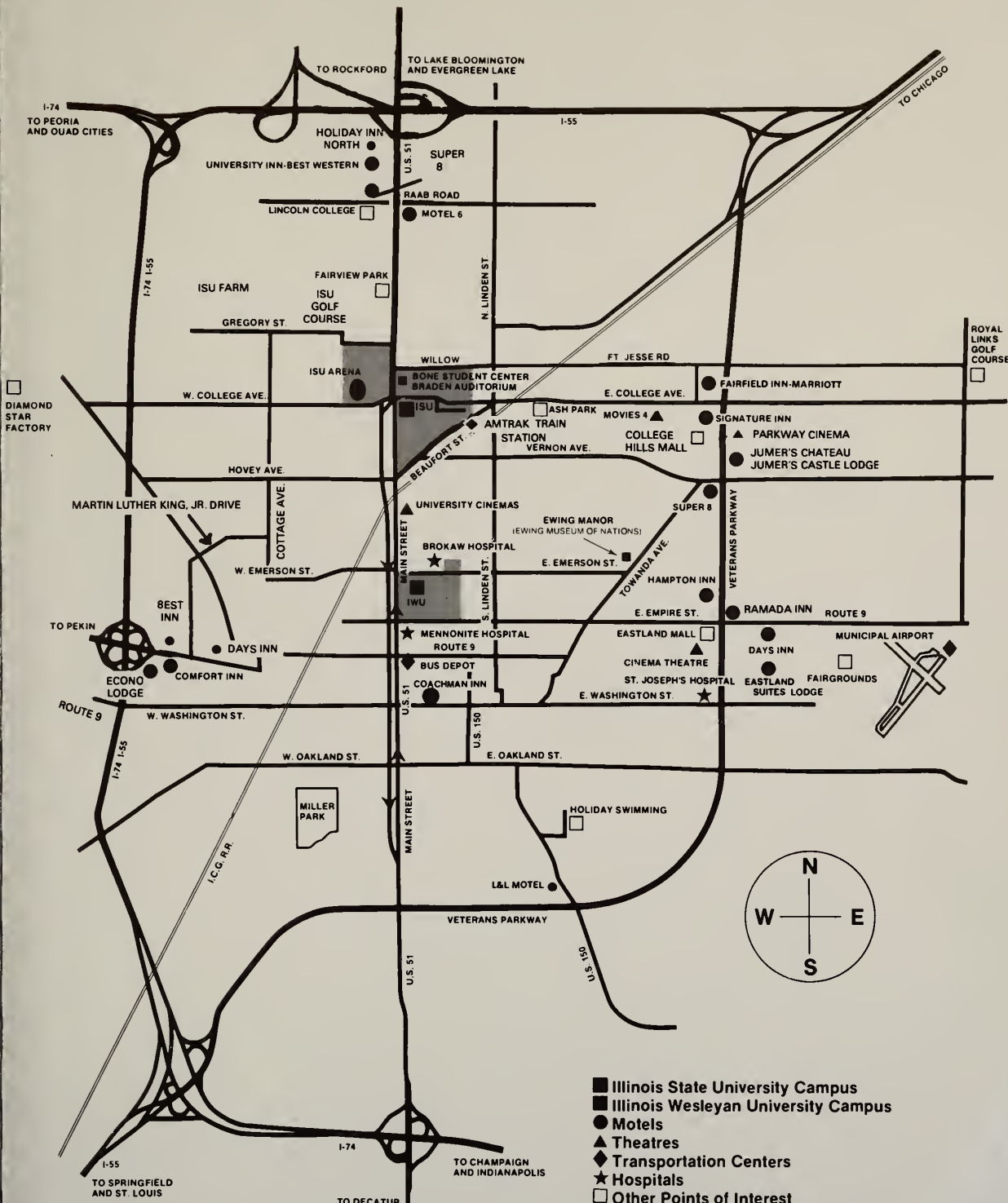
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